



# Human DRD5 blocking peptide (CDBP1057)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-DRD5 antibody                                                                                                                                                                                                                                                                                                                                       |
| <b>Antigen Description</b> | This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2. [provided by RefSeq, Jul 2008] |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>        | Apuri, BL, ELISA                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format</b>              | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Size</b>                | 100 µg                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.                                                                                                                                                                                                                                                                                                                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">DRD5 dopamine receptor D5 [ Homo sapiens (human) ]</a>                                                                                                       |
| <b>Official Symbol</b> | DRD5                                                                                                                                                                     |
| <b>Synonyms</b>        | DRD5; dopamine receptor D5; DBDR; DRD1B; DRD1L2; D(1B) dopamine receptor; dopamine D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor; |
| <b>Entrez Gene ID</b>  | <a href="#">1816</a>                                                                                                                                                     |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | <a href="#">NM_000798.4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_000789.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P21918                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 4p16.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Dopamine receptors, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR liga |
| <b>Function</b>            | dopamine binding; dopamine neurotransmitter receptor activity; dopamine neurotransmitter receptor activity, coupled via Gs;                                                                                                                                                                                                                                                                                                                                                                                          |