



DRD5 blocking peptide (CDBP1038)

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

PRODUCT INFORMATION

Product Overview	Dopamine Receptor D5 blocking peptide
Antigen Description	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]
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	1 mg/ml
Size	25 µg
Buffer	Phosphate-buffered saline, pH 7.4, containing no preservatives
Preservative	None
Storage	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name	DRD5 dopamine receptor D5 [Homo sapiens (human)]
Official Symbol	DRD5
Synonyms	DRD5; dopamine receptor D5; DBDR; DRD1B; DRD1L2; D(1B) dopamine receptor; dopamine

D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor;

Entrez Gene ID	1816
mRNA Refseq	NM_000798.4
Protein Refseq	NP_000789.1
UniProt ID	P21918
Chromosome Location	4p16.1
Pathway	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
Function	dopamine binding; dopamine neurotransmitter receptor activity; dopamine neurotransmitter receptor activity, coupled via Gs;