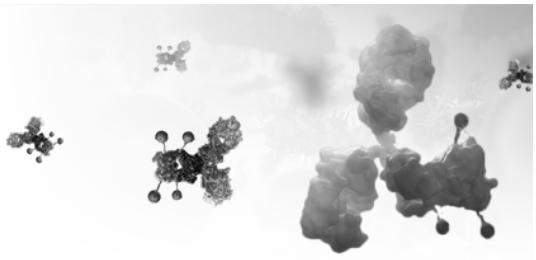

Human DRD2 peptide (DAG-P1439)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DRD2 dopamine receptor D2 [Homo sapiens (human)]
Official Symbol	DRD2
Synonyms	DRD2; dopamine receptor D2; D2R; D2DR; D(2) dopamine receptor; dopamine D2 receptor; dopamine receptor D2 isoform; seven transmembrane helix receptor;
Entrez Gene ID	1813

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mRNA Refseq	NM_000795.3
Protein Refseq	NP_000786.1
UniProt ID	P14416
Chromosome Location	11q23
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopamine receptors, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR do
Function	adrenergic receptor activity; dopamine binding; dopamine neurotransmitter receptor activity, coupled via Gi/Go; drug binding; identical protein binding; ionotropic glutamate receptor binding; potassium channel regulator activity; protein binding; protein

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