Recombinant Full Length Human DRD5 Protein

Cat. No. DRD5-6912HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length DRD5, fused without tag, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	477 amino acids
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.
Form	Liquid
Molecular Mass	52.47 kDa
AA Sequence	MLPPGSNGTAYPGQFALYQQLAQGNAVGGSAGAPPLGPSQVVTACLLTLLIIWTLLG NVLVCAAIVRSRHLRANM TNVFIVSLAVSDLFVALLVMPWKAVAEVAGYWPFGAFC DVWVAFDIMCSTASILNLCVISVDRYWAISRPFRYKR KMTQRMALVMVGLAWTLSILI SFIPVQLNWHRDQAASWGGLDLPNNLANWTPWEEDFWEPDVNAENCDSSLNRTY AISSSLISFYIPVAIMIVTYTRIYRIAQVQIRRISSLERAAEHAQSCRSSAACAPDTSLRA SIKKETKVLKTLSV IMGVFVCCWLPFFILNCMVPFCSGHPEGPPAGFPCVSETTFDV

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	FVWFGWANSSLNPVIYAFNADFQKVFAQLLGC SHFCSRTPVETVNISNELISYNQDI VFHKEIAAAYIHMMPNAVTPGNREVDNDEEEGPFDRMFQIYQTSPDGDPV AESVW ELDCEGEISLDKITPFTPNGFH
Applications	Antibody Production; Functional Study; Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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; D1beta dopamine receptor; d(5) dopamine receptor; dopamine D5 receptor; dopamine receptor D1B
Gene ID	1816
mRNA Refseq	NM_000798
Protein Refseq	NP_000789
MIM	126453
UniProt ID	P21918

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