

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	MLPPGSNGTAYPGQFALYQQLAQGNAVGGSSAGAPPLGPSQVVTACLLTLLIIWTLLG NVLVCAAIVRSRHLRANM TNVFIVSLAVSDFVALLVMPWKAVA EVAGYWPFGAFC DVWVAFDIMCSTASILNLCVISVD RYWAISRPFYKR KMTQRMALVMVGLAWTLSILI SFIPVQLNWHRDQAASWGGLDLPNNLANWTPWEEDFWEPDVNAENC DSSLNR TY AISSSLISFYIPVAIMIVTYTRIYRIAQVQIRRISSLERAAEHAQSCRSSAACAPD TSLRA SIKKETKVLKTL SV IMGVFVCCWLPFFILNC MVPFCSGHPEGPPAGFPCVSETTFDV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FVWFGWANSSLNPIYAFNADFQKVFAQLLGC SHFCSRTPVETVNISNELISYNQDI
VFHKEIAAAAYIHMMPNVTPGNREVDNDEEEGPFDRMFQIYQTSPDGD PV 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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