

# Recombinant Full Length Human DRD5 Protein

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length DRD5, fused without tag, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	477 amino acids
<b>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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	52.47 kDa
<b>AA Sequence</b>	MLPPGSNGTAYPGQFALYQQLAQGNAVGGSSAGAPPLGPSQVVTA CLLTLLIIWTL LG NVLVCAAIVRSRHLRANM TNVFIVSLAVSDFVALLVMPWKAVA EVAGYWPFGAFC DVWVAFDIMCSTASILNLCVISVDRYWAISRPFYK R KMTQRMALVMVGLAWTSLI SFIPVQLNWHRDQAASWGGLDLPNNLANWTPWEEDFWEPDVNAENC DSSLNRTY AISSSLISFYIPVAIMIVTYTRIYRIAQVQIRRISSLERAAEHAQSCRSSAACAPD TSLRA SIKKETKVLKTL SV IMGV FVCCWLPFFILNC MVPFCSGHPEGPPAGFPCVSETTFDV

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FVWFGWANSSLNVPVIYAFNADFQKVFAQLLGC SHFCSRTPVETVNI SNELISYNQDI  
 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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