

Recombinant Full Length Human DRD1 Protein

Cat. No. DRD1-6909HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length DRD1, fused without tag, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	446 amino acids
Description	This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, mediate some behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcription initiation sites result in two transcript variants of this gene.
Form	Liquid
Molecular Mass	49.3 kDa
AA Sequence	MRTLNTSAMDGTGLVVERDFSVRILTACFLSLLILSTLLGNTLVCAAVIRFRHLRSKVT NFFVISLAVSDLLVAV LVMPWKAVAEIAGFWPFGSFCNIWVAFDIMCSTASILNLCVI SVDRYWAISSPFRYERKMTPKAAFILISVAWTL SVLISFIPVQLSWHKAKPTSPSDGN ATSLAETIDNCDSSLSRTYAISSSVISFYIPVAIMIVTYTRYIRIAQKQI RRIAALERA HAKNCQTTTGNGKPVECSQPESSEFKMSFKRETKVLKTLVIMGVFVCCWLPFFILNC

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ILPFCGS GETQPCIDSNTFDVFWFGWANSSLNPIIYAFNADFRKAFSTLLGCYRL
CPATNNAIETVSINNNGAAMFSSHH EPRGSISKECNLVYLIPHAVGSSSEDLKKEEAA
GIARPLEKLSPALSVILDYDTDVSLEKIQPITQNGQHPT

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 [DRD1 dopamine receptor D1 \[Homo sapiens \(human\) \]](#)

Official Symbol [DRD1](#)

Synonyms DRD1; dopamine receptor D1; DADR; DRD1A; D(1A) dopamine receptor; dopamine D1 receptor

Gene ID [1812](#)

mRNA Refseq [NM_000794](#)

Protein Refseq [NP_000785](#)

MIM [126449](#)

UniProt ID [P21728](#)

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