Recombinant Human DRD5, GST-tagged

Cat. No. DRD5-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DRD5, fused with N-terminal GST, was expressed in E. coli.
Species	Human
Source	E.coli
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	1M PBS (58 mM Na2HPO4, 17 mM NaH2PO4, 68 mM NaCl, pH8.0), 100 mM GSH and 1% Triton X-100, 15% glycerol.
Bio-activity	Not tested.
AA Sequence	NSSLNPVIYAFNADFQKVFAQLLGCSHFCSRTPVETVNISNELISYNQDIVFHKEIAAA YIHMMPNAVTPGNREVDNDEEEGPFDRMFQIYQTSPDGDPVAESVWELDCEGEISL DKITPFTPNGFH(C-127aa encoded by BC009748)
Storage	Aliquot and store at -20ºC to -80ºC for up to 6 months. Avoid freeze thaw cycles.
Shipping	The product is shipped with ice packs. Upon receipt, store it immediately at -20ºC to -80ºC.

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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
Chromosome Location	4p16.1
Pathway	Amine ligand-binding receptors; Calcium signaling pathway; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD)
Function	G-protein coupled amine receptor activity; dopamine binding; dopamine neurotransmitter receptor activity

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