

Recombinant Human DRD1, C-MYC-tagged

Cat. No. DRD1-28086TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Dopamine Receptor D1 with an N terminal c-myc tag expressed in Sf9 insect cells; amino acids 1-446.
Species	Human
ProteinLength	1-446 a.a.
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.
Conjugation	C-MYC
Biological activity	Receptor expression level: 3.5pmol/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Full Length	Full L.
GENE INFORMATION	
Gene Name	DRD1 dopamine receptor D1 [Homo sapiens]
Official Symbol	DRD1
Synonyms	DRD1; dopamine receptor D1; D(1A) dopamine receptor;
Gene ID	1812
mRNA Refseq	NM_000794
Protein Refseq	NP_000785
MIM	126449
Uniprot ID	P21728
Chromosome Location	5q34-q35
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Dopamine receptors, organism-specific biosystem;
Function	G-protein coupled receptor activity; dopamine binding; dopamine receptor activity; dopamine receptor activity, coupled via Gs; dopamine receptor activity, coupled via Gs;

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