

## Recombinant Human DRD1, C-MYC-tagged

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

### SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant full length Human Dopamine Receptor D1 with an N terminal c-myc tag expressed in Sf9 insect cells; amino acids 1-446.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>       | 1-446 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>         | 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. |
| <b>Conjugation</b>         | C-MYC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Biological activity</b> | Receptor expression level: 3.5pmol/mg.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage buffer</b>      | Preservative: None<br>Constituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>             | 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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