Recombinant Human DRD1, His-tagged

Cat. No. DRD1-12163H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DRD1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	338-446a.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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	DRD1 dopamine receptor D1 [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	DRD1
Synonyms	DRD1; dopamine receptor D1; D(1A) dopamine receptor; dopamine D1 receptor; DADR; DRD1A;
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; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cocaine addiction, 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; drug binding; protein binding; receptor activity; signal transducer activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA