

Product datasheet for **TP762204**

Dopamine Receptor D1 (DRD1) (NM_000794) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human dopamine receptor D1 (DRD1), Arg219-Thr273, with N-terminal His-ABP tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Arg219-Thr273) of DRD1
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	21.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000785
Locus ID:	1812
UniProt ID:	P21728
RefSeq Size:	3373
Cytogenetics:	5q35.2
RefSeq ORF:	1338
Synonyms:	DADR; DRD1A



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, GPCR, Transmembrane

Protein Pathways:

Calcium signaling pathway, Gap junction, Neuroactive ligand-receptor interaction

Product images:

Purified recombinant protein DRD1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.