

Product datasheet for **TP762112**

Dopamine D2 Receptor (DRD2) (NM_000795) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human dopamine receptor D2 (DRD2), transcript variant 1, Ile214-Gln373, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Ile214-Gln373) of DRD2
Tag:	N-His
Predicted MW:	18.3 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_000786
Locus ID:	1813
UniProt ID:	P14416
RefSeq Size:	2713
Cytogenetics:	11q23.2
RefSeq ORF:	1329
Synonyms:	D2DR; D2R



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Summary:

This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, GPCR, Transmembrane

Protein Pathways:

Gap junction, Neuroactive ligand-receptor interaction

Product images: