

Recombinant Full Length Human DRD2 Protein

Cat. No. DRD2-6910HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length DRD2, fused without tag, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	443 amino acids
Description	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.
Form	Liquid
Molecular Mass	48.73 kDa
AA Sequence	MDPLNLSWYDDDLERQNWSRPFNGSDGKADRPHYNYATLLTLLIAVIVFGNVLVC MAVSREKALQTTTNYLIVS LAVADLLVATLVMPWVVYLEVVGGEWKFSRIHCDIFVTL DVMMCTASILNLCAISIDRYTAVAMPMLYNTRYSSKR RVTVMISIVWVLSFTISCPLLF GLNNADQNECIIANPAFVVYSSIVSFYVPFIVTLLVYIKIYIVLRRRRKRVNT KRSSRAF RAHLRAPLKGNCTHPEDMKLCTVIMKSNGSFVNRRRVEAARRAQELEMELLSSTS

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PPERTRYSPIPP SHHQLTLPDPSHHGLHSTPDSPAKPEKNGHAKDHPKIAKIFEIQT
MPNGKTRTSLKTMSRRKLSQQKEKKATQML AIVLGVFICWLPFFITHILNIHCDCNIP
PVLYSAFTWLG YVNSAVNP I IYTTFNIEFRKAFLKILHC

Applications Antibody Production; Functional Study; Compound Screening

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name DRD2 dopamine receptor D2 [Homo sapiens (human)]

Official Symbol DRD2

Synonyms DRD2; dopamine receptor D2; D2R; D2DR; D(2) dopamine receptor; dopamine D2 receptor; dopamine receptor D2 isoform; seven transmembrane helix receptor

Gene ID 1813

mRNA Refseq NM_000795

Protein Refseq NP_000786

MIM 126450

UniProt ID P14416

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