

# Recombinant Full Length Human DRD2 Protein

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length DRD2, fused without tag, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	443 amino acids
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	48.73 kDa
<b>AA Sequence</b>	<p>MDPLNLSWYDDDLERQNWSRPFNGSDGKADRPHYNYATLLTLLIAVIVFGNVLVC  MAVSREKALQTTTNYLIVS LAVADLLVATLVMPWVVYLEVVGGEWKFSRIHCDIFVTL  DVMCTASILNLCAISIDRYTAVAMPMLYNTRYSSKR RVTVMISIVWVLSFTISCPPLF  GLNNADQNECIIANPAFVVYSSIVSFYVPFIVTLLVYIKIYIVLRRRRKRVTNT KRSSRAF  RAHLRAPLKGNCTHPEDMKLCTVIMKSNNGSFPVNRRRVEAARRAQELEMEMLSSTS</p>

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PPERTRYSPIPP SHHQLTLPDPSHHGLHSTPDSPAKPEKNGHAKDHPKIAKIFEIQT  
 MPNGKTRTSLKTMSRRKLSQQKEKKATQML AIVLGVFIICWLPFFITHILNIHCDCNIP  
 PVLYSAFTWLG YVNSAVNPIIYTTFNIEFRKAFLKILHC

**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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