

Recombinant Human DRD2 Protein, His-tagged

Cat. No. DRD2-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of Human dopamine receptor D2 protein (Ser194~Ala420) with N-terminal His Tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	194-420 a.a.
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	Freeze-dried powder
Molecular Mass	29.8 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method)
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Notes	The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48 h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Concentration	200 g/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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

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Protein Refseq	NP_000786
MIM	126450
UniProt ID	P14416

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