

Recombinant Human DRD5 Protein, His-tagged

Cat. No. DRD5-1383H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DRD5 Protein (Ala360-His477) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala360-His477
Description	This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, 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.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[DRD5 dopamine receptor D5 \[Homo sapiens \(human\) \]](#)

Official Symbol

[DRD5](#)

Synonyms

DRD5; dopamine receptor D5; DRD1L2; D(1B) dopamine receptor; DRD1B; dopamine D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor; DBDR; MGC10601;

Gene ID

[1816](#)

mRNA Refseq

[NM_000798](#)

Protein Refseq

[NP_000789](#)

MIM

[126453](#)

UniProt ID

[P21918](#)

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