

Datasheet for ABIN7547260  
**DRD5 Protein (AA 1-477) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DRD5
Protein Characteristics:	AA 1-477
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DRD5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat DRD5 Protein expressed in mammalian cells.
Sequence:	<p>MLPPGSNGTA YPGQFALYQQ LAQGNVGGG AGAPPLGPSQ VVTACLLTLL IIWTLLGNVL</p> <p>VCAAIVRSRH LRANMTNVFI VSLAVSDLFV ALLVMPWKAV AEVAGYWPFG AFCDVWVAFD</p> <p>IMCSTASILN LCVISVDRYW AISRPFRYKR KMTQRMALVM VGLAWTSLIL ISFIPVQLNW</p> <p>HRDQAASWGG LDLPNNLANW TPWEEDFWEP DVNAENCDS LNRTYAISSS LISFYIPVAI</p> <p>MIVTYTRIYR IAQVQIRRI SLERAAEHAQ SCRSSAACAP DTS LRASIKK ETKVLKTL SV</p> <p>IMGVFVCCWL PFFILNC MVP FCSGHPEGPP AGFPCVSETT FDFVWF GWA NSSLNPVIYA</p> <p>FNADFQKVFA QLLGCSHFCS RTPVETVNIS NELISYNQDI VFHKEIAAAY IHMMPNAVTP</p> <p>GNREVDNDEE EGPFD RMFQI YQTSPD GDPV AESVWELDCE GEISLDKITP FTPNGFH <b>Sequence</b></p> <p><b>without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

### Characteristics:

### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

DRD5

### Alternative Name:

DRD5 ([DRD5 Products](#))

### Background:

D(1B) dopamine receptor (D(5) dopamine receptor) (D1beta dopamine receptor) (Dopamine D5 receptor),FUNCTION: Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. {ECO:0000269|PubMed:1834671}.

### Molecular Weight:

53.0 kDa

### UniProt:

[P21918](#)

### Pathways:

[Regulation of Systemic Arterial Blood Pressure by Hormones](#), [cAMP Metabolic Process](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months