

Datasheet for ABIN7557721

**Dopamine Receptor d1 Protein (AA 1-446) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Dopamine Receptor d1 (DRD1)
Protein Characteristics:	AA 1-446
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dopamine Receptor d1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Drd1 Protein expressed in mammalian cells.
Sequence:	MAPNTSTMDE TGLPVERDFS FRILTACFLS LLILSTLLGN TLVCAAVIRF RHLRSKVTNF FVISLAVSDL LVAVLVMPWK AVAEIAGFWP FGSFCNIWVA FDIMCSTASI LNLCVISVDR YWAISSPFQY ERKMTPKAAF ILISVAWTLS VLISFIPVQL SWHKAKPTWP LDGNFTSLED AEDDNCCTRL SRTYAISSSL ISFYIPVAIM IVTYTSIYRI AQKQIRRISA LERAAVHAKN CQTTTGNGNP VECSQSESSF KMSFKRETKV LKTLVIMGV FVCCWLPFFI SNCMVPCGS EETQPCIDS ITFDVFWFG WANSSLNPII YAFNADFQKA FSTLLGCYRL CPTTNAIET VSINNGAVM FSSHHEPRGS ISKDCNLVYL IPHAVGSSSED LKREEAGGIP KPLEKLSPAL SVILDYDTDV SLEKIQPVTH SGQHST <b>Sequence 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

Dopamine Receptor d1 (DRD1)

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### Alternative Name:

Drd1 ([DRD1 Products](#))

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### Background:

D(1A) dopamine receptor (Dopamine D1 receptor),FUNCTION: Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.

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### Molecular Weight:

49.6 kDa

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### UniProt:

[Q61616](#)

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### Pathways:

[cAMP Metabolic Process](#), [Inositol Metabolic Process](#), [Protein targeting to Nucleus](#), [Feeding Behaviour](#), [Smooth Muscle Cell Migration](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

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### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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### Restrictions:

For Research Use only

## Handling

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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