

Datasheet for ABIN7563379  
**DRD4 Protein (AA 1-387) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	DRD4
Protein Characteristics:	AA 1-387
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DRD4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Drd4 Protein expressed in mammalian cells.
Sequence:	<p>MGNSSATEDG GLLAGRGPES LGTGAGLGGA GAAALVGGVL LIGLVLAGNS LVCVSVASER TLQTPTNYFI VSLAAADLLL AVLVLPLFVY SEVQGGVWLL SPRLCDTLMA MDVMLCTASI FNLCAISVDR FVAVTVPLRY NQQGQCQLLL IAATWLLSAA VASPVVCGLN DVPGRDPAVC CLENRDYVVY SSVCSFFLPC PLMLLLYWAT FRGLRRWEAA RHTKLHSRAP RRPSGPGPPV SDPTQGPFPP DCPPLPSLR TSPSDSSRPE SELSQRPCSP GCLLADAALP QPPEPSSRRR RGAKITGRER KAMRVLPVVV GAFLVCWTPF FVWHITRALC PACFVSPRLV SAVTWLGYVN SALNPIIYTI FNAEFRSVFR KTLRLRC <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></p>
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.
Characteristics:	Key Benefits:

## Product Details

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- 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)
Grade:	custom-made

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## Target Details

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Target:	DRD4
Alternative Name:	Drd4 ( <a href="#">DRD4 Products</a> )
Background:	D(4) dopamine receptor (D(2C) dopamine receptor) (Dopamine D4 receptor),FUNCTION: Dopamine receptor responsible for neuronal signaling in the mesolimbic system of the brain, an area of the brain that regulates emotion and complex behavior. Activated by dopamine, but also by epinephrine and norepinephrine, and by numerous synthetic agonists and drugs. Agonist binding triggers signaling via G proteins that inhibit adenylyl cyclase (By similarity). Modulates the circadian rhythm of contrast sensitivity by regulating the rhythmic expression of NPAS2 in the retinal ganglion cells (PubMed:24048828). {ECO:0000250 UniProtKB:P21917, ECO:0000269 PubMed:24048828}.
Molecular Weight:	41.5 kDa
UniProt:	<a href="#">P51436</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Proton Transport</a> , <a href="#">Photoperiodism</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## 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

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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