

Datasheet for ABIN7547210

Dopamine d2 Receptor Protein (AA 1-443) (His tag)



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Overview

Quantity:	1 mg
Target:	Dopamine d2 Receptor (DRD2)
Protein Characteristics:	AA 1-443
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dopamine d2 Receptor protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DRD2 Protein expressed in mammalian cells.
Sequence:	<p>MDPLNLSWYD DDLERQNWSR PFNGSDGKAD RPHYNYATL LTLIAVIVF GNVLCMAVS</p> <p>REKALQTTTN YLIVSLAVAD LLVATLVMPW VVYLEVVGWV KFSRIHCDIF VTLDVMMCTA</p> <p>SILNLCAISI DRYTAVAMPY LYNTRYSSKR RVTVMISIVW VLSFTISCPL LFGLNNADQN</p> <p>ECIANPAFV VYSSIVSFYV PFIVTLLVYI KIYIVLRRRR KRVNTRKSSR AFRAHLRAPL</p> <p>KGNCNTHPEDM KLCTVIMKSN GSFPVNRNRRV EAARRAQELE MEMLSSTSP ERTRYSPIPP</p> <p>SHHQLTLPPD SHHGLHSTPD SPAKPEKNGH AKDHPKIAKI FEIQTMPNGK TRTSLKTMSR</p> <p>RKLSQQKEKK ATQMLAIVLG VFICWLPFF ITHILNIHCD CNIPPVLYSA FTWLGYNVSA</p> <p>VNPIIYTTFN IEFKRAFLKI LHC 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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:	Dopamine d2 Receptor (DRD2)
Alternative Name:	DRD2 (DRD2 Products)
Background:	D(2) dopamine receptor (Dopamine D2 receptor),FUNCTION: Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase (PubMed:21645528). Positively regulates postnatal regression of retinal hyaloid vessels via suppression of VEGFR2/KDR activity, downstream of OPN5 (By similarity). {ECO:0000250 UniProtKB:P61168, ECO:0000269 PubMed:21645528}.
Molecular Weight:	50.6 kDa
UniProt:	P14416
Pathways:	Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , cAMP Metabolic Process , Inositol Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling , Feeding Behaviour , Negative Regulation of Transporter Activity , 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.

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