

Datasheet for ABIN7551743
5HT1D Protein (AA 1-377) (His tag)



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Overview

Quantity:	1 mg
Target:	5HT1D (HTR1D)
Protein Characteristics:	AA 1-377
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This 5HT1D protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HTR1D Protein expressed in mammalian cells.
Sequence:	<p>MSPLNQSAEG LPQEASNRSL NATETSEAWD PRTLQALKIS LAVVLSVITL ATVLSNAFVL</p> <p>TTILLTRKLH TPANYLIGSL ATDLLVSIL VMPISIAITI THTWNFGQIL CDWLSSDIT CCTASILHLC</p> <p>VIALDRYWAI TDALEYSKRR TAGHAATMIA IVWAISICIS IPPLFWRQAK AQEEMSDCLV</p> <p>NTSQISYTIY STCGAFYIPS VLLIILYGRI YRAARNRILN PPSLYGKRFT TAHLITGSAG SSLCSLNSSL</p> <p>HEGSHSAGS PLFFNHVKIK LADSALERKR ISAARERKAT KILGIILGAF IICWLPPFFVV</p> <p>SLVLPICRDS CWHIPALFDF FTWLGYNLSL INPIIYTVFN EEFRQAFQKI VPFKAS</p> <p>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
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Grade:	custom-made
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Target Details

Target:	5HT1D (HTR1D)
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Alternative Name:	HTR1D (HTR1D Products)
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Background:	5-hydroxytryptamine receptor 1D (5-HT-1D) (5-HT1D) (Serotonin 1D alpha receptor) (5-HT-1D-alpha) (Serotonin receptor 1D),FUNCTION: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Regulates the release of 5-hydroxytryptamine in the brain, and thereby affects neural activity. May also play a role in regulating the release of other neurotransmitters. May play a role in vasoconstriction. {ECO:0000269 PubMed:10452531, ECO:0000269 PubMed:1565658, ECO:0000269 PubMed:1652050}.
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Molecular Weight:	41.9 kDa
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UniProt:	P28221
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Pathways:	JAK-STAT Signaling
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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.
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Restrictions:	For Research Use only
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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