

Datasheet for ABIN7556214

Serotonin Receptor 6 Protein (HTR6) (AA 1-440) (His tag)



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Overview

Quantity:	1 mg
Target:	Serotonin Receptor 6 (HTR6)
Protein Characteristics:	AA 1-440
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Serotonin Receptor 6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Htr6 Protein expressed in mammalian cells.
Sequence:	MVPEPGPVNS STPAWGPGPP PAPGGSGWVA AALCVVIVLT AAANSLIAL ICTQPALRNT SNFFLVSLFT SDLMVGLVVM PPAMLNLYG RWVLARGLCL LWTAFDVMCC SASILNLCLI SLDRYLLILS PLRYKL RMTA PRALALILGA WSLAALASFL PLLLGWHELK KARTSAPGQC RLLASLPYVL VASGVTFPLP SGAICFTYCR ILLAARKQAV QVASLTTGTA TAGQALETQ VPRTPRPGME SADSRRLLTK HSRKALKASL TLGILLSMFF VTWLPFFVAS IAQAVCDCIS PGLFDVLTWL GYCNSTMNPI IYPLFMRDFK RALGRFVPCV HCPPEHRASP ASPSMWTS HSGARPGSLQQL VLPLPLPPNS DSDSASGGTS GLQLTAQLLL PGEATRDPPP PTRAPT VVNF FVTDSVEPEI RQHPLGSPMN 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.
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

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)
Grade:	custom-made

Target Details

Target:	Serotonin Receptor 6 (HTR6)
Alternative Name:	Htr6 (HTR6 Products)
Background:	5-hydroxytryptamine receptor 6 (5-HT-6) (5-HT6) (Serotonin receptor 6),FUNCTION: This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that function as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase. It has a high affinity for tricyclic psychotropic drugs (By similarity). Controls pyramidal neurons migration during corticogenesis, through the regulation of CDK5 activity (PubMed:25078650). Is an activator of TOR signaling (PubMed:23027611). {ECO:0000250 UniProtKB:P31388, ECO:0000269 PubMed:23027611, ECO:0000269 PubMed:25078650}.
Molecular Weight:	47.0 kDa
UniProt:	Q9R1C8
Pathways:	JAK-STAT Signaling

Application Details

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.
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