

Datasheet for ABIN7556773

Serotonin Receptor 4 Protein (HTR4) (AA 1-388) (His tag)



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Overview

Quantity:	1 mg
Target:	Serotonin Receptor 4 (HTR4)
Protein Characteristics:	AA 1-388
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Serotonin Receptor 4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Htr4 Protein expressed in mammalian cells.
Sequence:	<p>MDKLDANVSS NEGFRSVEKV VLLTFLAVVI LMAILGNLLV MVAVCRDRQL RKIKTNYFIV</p> <p>SLAFADLLVS VLVMPFGAIE LVQDIWAYGE MFCLVRTSLD VLLTTASIFH LCCISLDRYY</p> <p>AICQQLVYR NKMTPLRIAL MLGGCWVLPF FISFLPIMQG WNNIGIVDVI EKRKFHNSN</p> <p>STWCVFMVVK PYAITCSVVA FYIPFLLMVL AYYRIYVTAK EHAQQIQMLQ RAGATSESRP</p> <p>QPADQHSTHR MRTETKAAKT LCVIMGCFCF CWAPFFVTNI VDPFIDYTP EQVWTAFLWL</p> <p>GYINSGLNPF LYAFLNKSFR RAFLIILCCD DERYKRPPIL GQTVPCSTTT INGSTHVLRD</p> <p>TVECGGQWES RCHLTATSPL VAAQPSDT 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:	Serotonin Receptor 4 (HTR4)
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Alternative Name:	Htr4 (HTR4 Products)
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Background:	5-hydroxytryptamine receptor 4 (5-HT-4) (5-HT4) (Serotonin receptor 4),FUNCTION: This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase (By similarity). {ECO:0000250}.
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Molecular Weight:	44.0 kDa
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UniProt:	P97288
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Pathways:	JAK-STAT Signaling , cAMP Metabolic Process , S100 Proteins
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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