

Datasheet for ABIN7549903
NPY4R Protein (AA 1-375) (His tag)



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Overview

Quantity:	1 mg
Target:	NPY4R
Protein Characteristics:	AA 1-375
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPY4R protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NPY4R Protein expressed in mammalian cells.
Sequence:	<p>MNTSHLLALL LPKSPQGENR SKPLGTPYNF SEHCQDSVDV MVFIVTSYSI ETVVGVLGNL CLMCVTVRQK EKANVTNLLI ANLAFSDFLM CLLCQPLTAV YTIMDYWIFG ETLCKMSAFI QCMSVTVSIL SLVLVALERH QLIINPTGWK PSISQAYLGI VLIWVIACVL SLPFLANSIL ENVFHKNHNSK ALEFLADKVV CTESWPLAHH RTIYTTFLLL FQYCLPLGFI LVCYARIYRC LQRQGRVFKH GTYSLRAGHM KQVNVVLVVM VVAFAVLWLP LHFVNSLEDW HHEAIPICHG NLIFLVCHLL AMASTCVNPF IYGFLNTNFK KEIKALVLTG QQSAPLEESE HLPLSTVHTE VSKGSLRLSG RSNPI</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>
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

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NPY4R
Alternative Name:	NPY4R (NPY4R Products)
Background:	Neuropeptide Y receptor type 4 (NPY4-R) (Pancreatic polypeptide receptor 1) (PP1),FUNCTION: G protein-coupled receptor for PPY/pancreatic polypeptide/PP, NPY/neuropeptide Y and PYY/peptide YY that is negatively coupled to cAMP (PubMed:7592911, PubMed:7493937). The rank order of affinity for these polypeptides and their derivatives is PP, PP (2-36) and [Ile-31, Gln-34] PP > [Pro-34] PYY > PYY and [Leu-31, Pro-34] NPY > NPY > PYY (3-36) and NPY (2-36) > PP (13-36) > PP (31-36) > NPY free acid. {ECO:0000269 PubMed:7493937, ECO:0000269 PubMed:7592911}.
Molecular Weight:	42.1 kDa
UniProt:	P50391

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.
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Application Details

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