

Datasheet for ABIN7558087
GPR173 Protein (AA 1-373) (His tag)



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Overview

Quantity:	1 mg
Target:	GPR173
Protein Characteristics:	AA 1-373
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR173 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gpr173 Protein expressed in mammalian cells.
Sequence:	MANTTGEPEE VSGALSLPSA SAYVKLVLLG LIMCVSLAGN AILSLLVLKE RALHKAPYYF LLDLCLADGI RSAICFPFVL ASVRHGSSWT FSALSCKIVA FMAVLFCFHA AFMLFCISVT RYMAIAHHRF YAKRMTLWTC AAVICMAWTL SVAMAFPPVF DVGTYKFIRE EDQCIFEHRY FKANDTLGFM LMLAVLMAAT HAVYGKLLLF EYRHRKMKPV QMVP AISQNW TFHGPGATGQ AAANWIAGFG RGPMPPTLLG IRQNGHAASR RLLGMDEVKG EKQLGRMFYA ILLFLLLWS PYIVACYWRV FVKACAVPHR YLATAVWMSF AQA AVNPIVC FLLNKDLKCC LRTHAPCWGT GGAPAPREPY CVM 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.
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:	GPR173
Alternative Name:	Gpr173 (GPR173 Products)
Background:	Probable G-protein coupled receptor 173 (Super conserved receptor expressed in brain 3),FUNCTION: Is a receptor for the SMIM20 derived peptides Phoenixin-14 and Phoenixin-20 (PubMed:27268078). It mediates the Phoenixin-14 and Phoenixin-20 augmentation of gonadotropin-releasing hormone (GNRH) signaling in the hypothalamus and pituitary gland (PubMed:27268078). In the ovary, it mediates the effects of Phoenixin-14 and Phoenixin-20 induced granulosa cell proliferation during follicular growth (PubMed:30933929). {ECO:0000269 PubMed:27268078, ECO:0000269 PubMed:30933929}.
Molecular Weight:	41.5 kDa
UniProt:	Q6PI62

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