

Datasheet for ABIN7548181  
**GPR88 Protein (AA 1-384) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GPR88
Protein Characteristics:	AA 1-384
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR88 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant GPR88 Protein expressed in mammalian cells.
Sequence:	MTNSSSTSTS STTGGSLLLL CEEESWAGR RIPVSLLYSG LAIGGTLANG MVIYLVSSFR KLQTTNAFI VNGCAADLSV CALWMPQEAV LGLLPTGSAE PPADWDGAGG SYRLLRGLL GLGLTVSLLS HCLVALNRYL LITRAPATYQ ALYQRRHTAG MLALSWALAL GLVLLLPPWA PRPGAAPPRV HYPALLAAAA LLAQTALLH CYLGIVRRVR VSVKRVSVLN FLLHQLPGC AAAAAFAFGA QHAPGPGGAA HPAQAQPLPP ALHPRRAQRR LSGLSVLLLC CVFLLATQPL VWVSLASGFS LPVPWGVQAA SWLLCCALSA LNPLLYTWRN EEFRRSVRSV LPGVGDAAAA AVAATAVPAV SQAQLGTRAA GQHW <b>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.</b>
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

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- 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)
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Grade:	custom-made
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## Target Details

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Target:	GPR88
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Alternative Name:	GPR88 ( <a href="#">GPR88 Products</a> )
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Background:	G protein-coupled receptor 88 (Striatum-specific G-protein coupled receptor),FUNCTION: Orphan G protein-coupled receptor implicated in a large repertoire of behavioral responses that engage motor activities, spatial learning, and emotional processing (By similarity). May play a role in the regulation of cognitive and motor function (By similarity). Couples with the heterotrimeric G protein complex of the G(i) subfamily, consisting of GNAI1, GNB1 and GNG2, thereby acting through a G(i)-mediated pathway (PubMed:35501348). Plays a role in the attenuation of D1 dopamine receptor (D1R)-mediated cAMP response in ciliated cells (PubMed:23936473). In non-ciliated cells, involved in the inhibition of the beta-2 adrenergic receptor (B2AR) response (PubMed:23936473). {ECO:0000250 UniProtKB:Q9EPB7, ECO:0000250 UniProtKB:Q9ESP4, ECO:0000269 PubMed:23936473, ECO:0000269 PubMed:35501348}.
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Molecular Weight:	40.2 kDa
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UniProt:	<a href="#">Q9GZN0</a>
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## Application Details

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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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months