

Datasheet for ABIN7554043

G Protein-Coupled Receptor 132 Protein (GPR132) (AA 1-380) (His tag)



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Overview

Quantity:	1 mg
Target:	G Protein-Coupled Receptor 132 (GPR132)
Protein Characteristics:	AA 1-380
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This G Protein-Coupled Receptor 132 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GPR132 Protein expressed in mammalien cells.
Sequence:	<p>MCPMLLKNGY NGNATPVTTT APWASLGLSA KTCNNVSFEE SRIVLVVYYS AVCTLGVPAN CLTAWLALLQ VLQGNVLAVY LLCLALCELL YTGTLPLWVI YIRNQHRWTL GLLACKVTAY IFFCNIYVSI LFLCCISCDR FVAVVYALES RGRRRRRTAI LISACIFILV GIVHYPVFQT EDKETCFDML QMDSRIAGYY YARFTVGFAL PLSIIAFTNH RIFRSIKQSM GLSAAQKAKV KHSIAIWWI FLVCFAPYHL VLLVKAFAFS YYRGDRNAMC GLEERLYTAS VVFLCLSTVN GVADPIIYVL ATDHSRQEVSI RHKGGWKEWS MKTDVTRLTH SRDTEELQSP VALADHYTFS RPVHPPGSPC PAKRLIEESC 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

Grade: custom-made

Target Details

Target: G Protein-Coupled Receptor 132 (GPR132)

Alternative Name: GPR132 ([GPR132 Products](#))

Background: Probable G-protein coupled receptor 132 (G2 accumulation protein),FUNCTION: May be a receptor for oxidized free fatty acids derived from linoleic and arachidonic acids such as 9-hydroxyoctadecadienoic acid (9-HODE). Activates a G alpha protein, most likely G alpha(q). May be involved in apoptosis. Functions at the G2/M checkpoint to delay mitosis. May function as a sensor that monitors the oxidative states and mediates appropriate cellular responses such as secretion of paracrine signals and attenuation of proliferation. May mediate the accumulation of intracellular inositol phosphates at acidic pH through proton-sensing activity.
{ECO:0000269|PubMed:12586833, ECO:0000269|PubMed:19855098, ECO:0000269|PubMed:9770487}.

Molecular Weight: 42.5 kDa

UniProt: [Q9UNW8](#)

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.

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
