

Datasheet for ABIN7554048

GPR143 Protein (AA 1-404) (His tag)



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Overview

Quantity:	1 mg
Target:	GPR143
Protein Characteristics:	AA 1-404
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR143 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GPR143 Protein expressed in mammalian cells.
Sequence:	MASPRLGTFC CPTRDAATQL VLSFQPRAFH ALCLGSGGLR LALGLLQLLP GRRPAGPGSP ATSPPASVRI LRAAAACDLL GCLGMVIRST VWLGFPNFVD SVSDMNHTEI WPAAFCVGSA MWILLYSAC FWWLFCYAVD AYLVIIRSAG LSTILLYHIM AWGLATLLCV EGAAMLYYPS VSRCERGLDH AIPHYVTMYL PLLLVLVANP ILFQKTVTAV ASLLKGRQGI YTENERRMGA VIKIRFFKIM LVLIICWLSN IINESLLFYL EMQTDINGGS LKPVRTAAKT TWFMIGILNP AQGFLSLAF YGWTGCSLGF QSPRKEIQWE SLTTSAAEGA HPSPLMPHEN PASGKVSQVG GQTSDEALSM LSEGSDASTI EIHTASESCN KNEGDPALPT HGDL 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.
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:	GPR143
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Alternative Name:	GPR143 (GPR143 Products)
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Background:	G-protein coupled receptor 143 (Ocular albinism type 1 protein),FUNCTION: Receptor for tyrosine, L-DOPA and dopamine. After binding to L-DOPA, stimulates Ca(2+) influx into the cytoplasm, increases secretion of the neurotrophic factor SERPINF1 and relocalizes beta arrestin at the plasma membrane, this ligand-dependent signaling occurs through a G(q)-mediated pathway in melanocytic cells. Its activity is mediated by G proteins which activate the phosphoinositide signaling pathway. Also plays a role as an intracellular G protein-coupled receptor involved in melanosome biogenesis, organization and transport. {ECO:0000269 PubMed:10471510, ECO:0000269 PubMed:16524428, ECO:0000269 PubMed:18697795, ECO:0000269 PubMed:18828673, ECO:0000269 PubMed:19717472}.
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Molecular Weight:	43.9 kDa
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UniProt:	P51810
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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.

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