

Datasheet for ABIN7548041

GPR35 Protein (AA 1-309) (His tag)



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Overview

Quantity:	1 mg
Target:	GPR35
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR35 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GPR35 Protein expressed in mammalian cells.
Sequence:	<p>MNGTYNTCGS SDLTWPPAIK LGFYAYLGVL LVLGLLLNSL ALWVFCCRMQ QWTETRIYMT</p> <p>NLAVADLCLL CTLPFVLHSL RDTSDTPLCQ LSQGIYLTNR YMSISLVTAI AVDRYVAVRH</p> <p>PLRARGLRSP RQAAAVCAVL WVLVIGSLVA RWLLGIQEGG FCFRSTRHNF NSMAFPLLGF</p> <p>YLPLAVVVFC SLKVVTAALQ RPPTDVGQAE ATRKAARMVW ANLLVFVVCF LPLHVGLTVR</p> <p>LAVGWNACAL LETIRRALYI TSKLSDANCC LDAICYYYMA KEFQEASALA VAPSAKAHKS</p> <p>QDSL CVTLA 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:	GPR35
Alternative Name:	GPR35 (GPR35 Products)
Background:	G-protein coupled receptor 35 (Kynurenic acid receptor) (KYNA receptor),FUNCTION: G-protein coupled receptor that binds to several ligands including the tryptophan metabolite kynurenic acid (KYNA), lysophosphatidic acid (LPA) or 5-hydroxyindoleacetic acid (5-HIAA) with high affinity, leading to rapid and transient activation of numerous intracellular signaling pathways (PubMed:16754668, PubMed:20361937, PubMed:35148838). Plays a role in neutrophil recruitment to sites of inflammation and bacterial clearance through the major serotonin metabolite 5-HIAA that acts as a physiological ligand (PubMed:35148838). Stimulates lipid metabolism, thermogenic, and anti-inflammatory gene expression in adipose tissue once activated by kynurenic acid (By similarity). In macrophages, activation by lysophosphatidic acid promotes GPR35-induced signaling with a distinct transcriptional profile characterized by TNF production associated with ERK and NF-kappa-B activation. In turn, induces chemotaxis of macrophages (By similarity). {ECO:0000250 UniProtKB:Q9ES90, ECO:0000269 PubMed:20361937, ECO:0000269 PubMed:35148838}.
Molecular Weight:	34.1 kDa

Target Details

UniProt: [Q9HC97](#)

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.
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