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Datasheet for ABIN7547859

GPR137B Protein (AA 1-399) (His tag)

Overview

Quantity:	1 mg
Target:	GPR137B
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR137B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GPR137B Protein expressed in mammalian cells.
Sequence:	MRPERPRPRG SAPGPMETPP WDPARNDSLP PTLTPAVPPY VKLGLTVVYT VFYALLFVFI YVQLWLVLRY RHKRLSYQSV FLFLCLFWAS LRTVLFSFYF KDFVAANSLS PFVFWLLYCF PVCLQFFTLT LMNLYFTQVI FKAISKYSPE LLKYRLPLYL ASLFISLVFL LVNLTCAVLV KTGNWERKVI VSVRVAINDT LFVLCVLS ICLYKISKMS LANIYLESKG SSVQCQVTAIG VTVILLYTSR ACYNLFILSF SQNKSVHSFD YDWYNVSDQA DLKNQLGDAG YVLFVWVLFV WELLPTTLVW YFFRVRNPTK DLTNPGMVPS HGFSPRSYFF DNPRRYDSDD DLAWNIA PQG LQGGFAPDYY DWGQQTNSFL AQAGTLQDST LDPDKPSLG 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.

Product Details

Characteristics:

Key Benefits:

- 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:

GPR137B

Alternative Name:

GPR137B ([GPR137B Products](#))

Background:

Integral membrane protein GPR137B (Transmembrane 7 superfamily member 1 protein),FUNCTION: Lysosomal integral membrane protein that regulates the localization and activity of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids (PubMed:31036939). Interacts with Rag GTPases and increases the lysosomal localization and activity of Rag GTPases and thereby regulates mTORC1 translocation and activity in lysosome (PubMed:31036939). Involved in the regulation of lysosomal morphology and autophagy (PubMed:31036939). {ECO:0000269|PubMed:31036939}., FUNCTION: Acts also as a negative regulator of osteoclast activity (By similarity). Involved in interleukin-4-induced M2 macrophage polarization (By similarity). {ECO:0000250|UniProtKB:Q8BNQ3}.

Molecular Weight:

45.6 kDa

UniProt:

[O60478](#)

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
