

Datasheet for ABIN7558465  
**GPR137 Protein (AA 1-396) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GPR137
Protein Characteristics:	AA 1-396
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR137 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Gpr137 Protein expressed in mammalian cells.
Sequence:	MESNLSGLVP AAGLVPALPP TVTLGLTAAY TALYALLFFS VYAQLWLVL VLL YGHKRLSYQT VFLALCLLWA ALRTTLFSFY FRDTPRANRL GPLPFWLLYC CPVCLQFFTL TLMNLYFVQV VFKAKAKRRP EMSRGLLAVR GAFVGASLLF LLVNVLC AVL SRQRQAQPWV LLLVRVLVSD SLFVIC ALSL AACLCLVARR APSTSIYLEA KGTSVCQAAA IGGAMVLLYA SRACYNLAAL ALAPRSRLDA FDYDWINVSD QADLVNDLGN KGYLVFGLIL FVWELLPTTL LVGFFRVHRP PQDLSTSRIL NGQVFGSR SY FFDRAGHCED EGCSWEHSRS ESTSMSGSLG SGSWYGAIGR EPGWGGASQT RTTPLLF SQV PGPGSHHSL YSTPQT <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.

## Product Details

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### 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.

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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

## Target Details

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### Target:

GPR137

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### Alternative Name:

Gpr137 ([GPR137 Products](#))

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### Background:

Integral membrane protein GPR137 (Transmembrane 7 superfamily member 1-like 1 protein),FUNCTION: Lysosomal integral membrane protein that may regulate MTORC1 complex translocation to lysosomes. May play a role in autophagy. {ECO:0000250|UniProtKB:Q96N19}., FUNCTION: May activate Wnt/beta-catenin signaling to modulate epithelial cell function. {ECO:0000269|PubMed:28975893}.

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### Molecular Weight:

43.6 kDa

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### UniProt:

[Q80ZU9](#)

## 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

## Handling

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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