

Datasheet for ABIN7555367  
**GPR172A Protein (AA 1-445) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GPR172A
Protein Characteristics:	AA 1-445
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR172A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat SLC52A2 Protein expressed in mammalien cells.
Sequence:	<p>MAAPTPARPV LTHLLVALFG MGSWAAVNGI WVLPVVVKE LPEGWSLPSY VSVLVALGNL            GLLVTLWRR LAPGKDEQVP IRVVQVLGMV GTALLASLWH HVAPVAGQLH SVAFLALAFV            LALACCASNVTFLPFLSHLP PRFLRSFFLG QGLSALLPCV LALVQGVGRL ECPPAPINGT            PGPPLDFLER FFASTFFWAL TALLVASAAA FQGLLLLLPP PPSVPTGELG SGLQVGAPGA            EEEVEESSPL QEPPSQAAGT TPGPDPKAYQ LLSARSACLL GLLAATNALT NGVLPVQSF            SCLPYGRLAY HLAVVVLSAA NPLACFLAMG VLCRSLAGLG GLSLLGVFCG GYLMALAVLS            PCPPLVGTSA GVVLVLSWV LCLGVFSYVK VAASSLLHGG GRPALLAAGV AIQVGSLLGA            VAMFPPTSIY HVFHSRKDCA DPCDS <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></p>
Characteristics:	Key Benefits:

## Product Details

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- 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, Western Blot

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Grade: custom-made

## Target Details

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Target: GPR172A

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Alternative Name: SLC52A2 ([GPR172A Products](#))

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Background: Solute carrier family 52, riboflavin transporter, member 2 (Porcine endogenous retrovirus A receptor 1) (PERV-A receptor 1) (Protein GPR172A) (Riboflavin transporter 3) (hRFT3), FUNCTION: Plasma membrane transporter mediating the uptake by cells of the water soluble vitamin B2/riboflavin that plays a key role in biochemical oxidation-reduction reactions of the carbohydrate, lipid, and amino acid metabolism (PubMed:20463145, PubMed:22864630, PubMed:23243084, PubMed:24253200, PubMed:27702554). Humans are unable to synthesize vitamin B2/riboflavin and must obtain it via intestinal absorption (PubMed:20463145). May also act as a receptor for 4-hydroxybutyrate (Probable). {ECO:0000269|PubMed:20463145, ECO:0000269|PubMed:22864630, ECO:0000269|PubMed:23243084, ECO:0000269|PubMed:24253200, ECO:0000269|PubMed:27702554, ECO:0000303|PubMed:20463145, ECO:0000305|PubMed:17197387}., FUNCTION: (Microbial infection) In case of infection by retroviruses, acts as a cell receptor to retroviral envelopes similar to the porcine endogenous retrovirus (PERV-A). {ECO:0000269|PubMed:12740431, ECO:0000269|PubMed:19307586}.

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## Target Details

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Molecular Weight:	45.8 kDa
UniProt:	<a href="#">Q9HAB3</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

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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

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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