

Datasheet for ABIN7558492  
**GPR68 Protein (AA 1-365) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GPR68
Protein Characteristics:	AA 1-365
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR68 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Gpr68 Protein expressed in mammalien cells.
Sequence:	<p>MGNITTENSS LSCPIDHTIH QTLAPVVYVT VLVVGFPPANC LSLYFGYLQI KARNELGVYL CNLTIADLFY ICSLPFWLQY VLQHDDWSHG DLSCQVCGIL LYENIYISVG FLCCISIDRY LVAHPFRFH QFRTLKAAVG VSVLIWAKEL LTSIYFLNHK EVIEDEDQHR VCFEHYPIQA WQRSINYRFLVGFLFPICL LLASYQGILR AVRRSHGTQK SRKDQIQRLV LSTVVIFLAC FLPYHVLLLLV RSLWERNCEF AKSIFNVYHF SLLTTSFNVCV ADPVLYCFVS ETTHRDLARL RGACLAVLTC SRTSRAREAY PLGAPEASGK SGAQGEEPPEL LTKLHSAFQT PSSLGVGGPS TVGLA</p> <p><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: GPR68

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Alternative Name: Gpr68 ([GPR68 Products](#))

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Background: Ovarian cancer G-protein coupled receptor 1 (G-protein coupled receptor 68) (Sphingosylphosphorylcholine receptor),FUNCTION: Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca(2+) mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Also functions as a metastasis suppressor gene in prostate cancer. {ECO:0000269|PubMed:17728215, ECO:0000269|PubMed:18847331}.

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Molecular Weight: 41.2 kDa

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UniProt: [Q8BFQ3](#)

## 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

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## Application Details

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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