

Datasheet for ABIN7548175
GPR34 Protein (AA 1-381) (His tag)



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Overview

Quantity:	1 mg
Target:	GPR34
Protein Characteristics:	AA 1-381
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR34 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GPR34 Protein expressed in mammalian cells.
Sequence:	<p>MRSHTITMTT TSVSSWPYSS HRMRFITNHS DQPPQNFSAT PNVTTCPMDE KLLSTVLTTT</p> <p>YSVIFIVGLV GNIILYVFL GIHRKRNSIQ IYLLNVAIAD LLLIFCLPFR IMYHINQNKW TLGVILCKVV</p> <p>GTLFYMNMYI SIILLGFISL DRYIKINRSI QQRKAITTKQ SIYVCCIVWM LALGGFLTMI</p> <p>ILTLKKGGMH STMCFHYRDK HNAKGAEAFN FILVVMFWLI FLLIILSYIK IGKNLLRISK</p> <p>RRSKFPNSGK YATTARNSEI VLIIFTICFV PYHAFRFIY SSQNLNVSSCY WKEIVHKTNE</p> <p>IMLVLSSEFNS CLDPVMYFLM SSNIRKIMCQ LLFRRFQGEP SRSESTSEFK PGYSLHDTSV</p> <p>AVKIQSSSKS T 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:	GPR34
Alternative Name:	GPR34 (GPR34 Products)
Background:	Probable G-protein coupled receptor 34,FUNCTION: G-protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles in immune response (PubMed:16460680). Acts a damage-sensing receptor that triggers tissue repair upon recognition of dying neutrophils (By similarity). Mechanistically, apoptotic neutrophils release lysophosphatidylserine that are recognized by type 3 innate lymphoid cells (ILC3s) via GPR34, which activates downstream PI3K-AKT and RAS-ERK signaling pathways leading to STAT3 activation and IL-22 production (By similarity). Plays an important role in microglial function, controlling morphology and phagocytosis (By similarity). {ECO:0000250 UniProtKB:Q9R1K6, ECO:0000269 PubMed:16460680}.
Molecular Weight:	43.9 kDa
UniProt:	Q9UPC5

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.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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