

Datasheet for ABIN7563026

GNA13 Protein (AA 1-377) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GNA13
Protein Characteristics:	AA 1-377
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNA13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gna13 Protein expressed in mammalian cells.
Sequence:	<p>MADFLPSRSV LSVCFPGCVL TNGEAEQQRK SKEIDKCLSR EKTYVKRLVK ILLGAGESG KSTFLKQMRI IHGQDFDQRA REEFRPTIYS NVIKGMRLV DAREKLHIPW GDNKNQLHGD KLMAFDTRAP MAAQGMVETR VFLQYLPAIR ALWEDSGIQN AYDRRREFQL GESVKYFLDN LDKLGVPDYI PSQQDILLAR RPTKGIHEYD FEIKNVPFKM VDVGGQRSER KRWFECDSDV TSILFLVSSS EFDQVLMEGR QTNRLTESLN IFETIVNNRV FSNVSIILFL NKTDLLEEKV QVVSIDYFL EFEGDPHCLR DVQKFLVECF RGKRRDQQQR PLYHHFTTAI NTENIRLVFR DVKDTILHDN LKQLMLQ 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:	GNA13
Alternative Name:	Gna13 (GNA13 Products)
Background:	<p>Guanine nucleotide-binding protein subunit alpha-13 (G alpha-13) (G-protein subunit alpha-13),FUNCTION: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems (PubMed:21212405, PubMed:19151758, PubMed:16388592). Activates effector molecule RhoA by binding and activating RhoGEFs (ARHGEF1/p115RhoGEF, ARHGEF11/PDZ-RhoGEF and ARHGEF12/LARG) (PubMed:16388592). GNA13-dependent Rho signaling subsequently regulates transcription factor AP-1 (activating protein-1) (PubMed:19151758, PubMed:21212405). Promotes tumor cell invasion and metastasis by activating Rho/ROCK signaling pathway (By similarity). Inhibits CDH1-mediated cell adhesion in process independent from Rho activation (By similarity). {ECO:0000250 UniProtKB:Q14344, ECO:0000269 PubMed:16388592, ECO:0000269 PubMed:19151758, ECO:0000269 PubMed:21212405}.</p>
Molecular Weight:	44.1 kDa
UniProt:	P27601

Target Details

Pathways: [CXCR4-mediated Signaling Events](#)

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