

Datasheet for ABIN7557614
GAS8 Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	GAS8
Protein Characteristics:	AA 1-478
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAS8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gas8 Protein expressed in mammalien cells.
Sequence:	MAPKKKGKKG KAKGTAIVDG VAPEDMTKEQ VEEHVARIRE ELDREREERN YFQLERDKIH TFWEITRRQL EEKKAELRNK DREMEEAER HQVEIKVYKQ KVKHLLYEHQ NNLAEVKAEG TVVMKLAQKE HRTQEGALRK DMRVLKVELK EQELANEVVI KNLCLKQAE EITKMRNDFER QVREIEAKYD KKMKMLRDEL DLRRKTEIHE VEERKNGQIS TLMQRHEEAF TDIKNYYNDI TLNNLALINS LKEQMEDMRK KEEHMEREMA EVTLQNRRLA DPLQKAKDEM NEMQKRLGNH ERDKQILVCT KARLKVAERE LKDLKWEHEV LEQRFIKVQQ EREELYRKFA DAIQEVQQKT GFKNLLLERK LQALNAAVEK REVQFNEVLA ASNLDPTALT LVSRKLEDVL ESKNTTIKDL QYELARVCKA HNDLLRITYEA KLLAFGIPLD NVGFKPLETA VIGQTLGQGP AGLVGAPT 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.

Product Details

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

GAS8

Alternative Name:

Gas8 ([GAS8 Products](#))

Background:

Dynein regulatory complex subunit 4 (Growth arrest-specific protein 11) (GAS-11) (Growth arrest-specific protein 8) (GAS-8),FUNCTION: Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays an important role in the assembly of the N-DRC linker (By similarity). Plays dual roles at both the primary (or non-motile) cilia to regulate hedgehog signaling and in motile cilia to coordinate cilia movement. Required for proper motile cilia functioning. Positively regulates ciliary smoothed (SMO)-dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity in a GRK2-dependent manner (PubMed:17366626, PubMed:21659505, PubMed:27472056). May play a role in the spermatozoa motility (PubMed:11751847). {ECO:0000250|UniProtKB:Q7XJ96, ECO:0000269|PubMed:11751847, ECO:0000269|PubMed:17366626, ECO:0000269|PubMed:21659505, ECO:0000269|PubMed:27472056}.

Target Details

Molecular Weight: 56.3 kDa

UniProt: [Q60779](#)

Application Details

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

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