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Datasheet for ABIN7554030

GPSM2 Protein (AA 1-684) (His tag)

Overview

Quantity:	1 mg
Target:	GPSM2
Protein Characteristics:	AA 1-684
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPSM2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GPSM2 Protein expressed in mammalian cells.
Sequence:	MEENLISMRE DHSFHVRYRM EASCLELALE GERLCKSGDC RAGVSFFEAA VQVGTEDLKT LSAIYSQLGN AYFYLHDYAK ALEYHHHDLT LARTIGDQLG EAKASGNLGN TLKVLGNFDE AIVCCQRHLD ISRELNDKVG EARALYNLGN VYHAKGKSFG CPGPQDVGEF PEEVRDALQA AVDFYEENLS LVTALGDRAA QGRAFGNLGN THYLLGNFRD AVIAHEQRLL IAKEFGDKAA ERRAYSNLGN AYIFLGEFET ASEYYKKTLL LARQLKRAV EAQSCYSLGN TYTLLQDYEK AIDYHLKHLA IAQELNDRIG EGRACWSLGN AYTALGNHDQ AMHFAEKHLE ISREVGDKSG ELTARLNLSLSD LQMVLGLSYS TNNSIMSSENT EIDSSLNGVR PKLGRRHSME NMELMKLTPE KVQNWNSEIL AKQKPLIAP SAKLLFVNRL KGKKYKTNSS TKVLQDASNS IDHRIPNSQR KISADTIGDE GFFDLLSRFQ SNRMDDQRCC LQEKNCHTAS TTTSSSTPPKM MLKTSSVPVW SPNTDEFLDL LASSQSRRLD DQRASFSNLP GLRLTQNSQS VLSHLMTNDN KEADEDFFDI LVKCQGSRLD DQRCAPPPAT TKGPTVPDED FFSLILRSQG KRMDEQRVLL QRDQNRDTEF

Product Details

GLKDFLQNNALLEFKNSGKK SADH **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.**

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:

GPSM2

Alternative Name:

GPSM2 ([GPSM2 Products](#))

Background:

G-protein-signaling modulator 2 (Mosaic protein LGN),FUNCTION: Plays an important role in mitotic spindle pole organization via its interaction with NUMA1 (PubMed:11781568, PubMed:15632202, PubMed:21816348). Required for cortical dynein-dynactin complex recruitment during metaphase (PubMed:22327364). Plays a role in metaphase spindle orientation (PubMed:22327364). Also plays an important role in asymmetric cell divisions (PubMed:21816348). Has guanine nucleotide dissociation inhibitor (GDI) activity towards G(i) alpha proteins, such as GNAI1 and GNAI3, and thereby regulates their activity (By similarity). {ECO:0000250|UniProtKB:Q8VDU0, ECO:0000269|PubMed:11781568, ECO:0000269|PubMed:15632202, ECO:0000269|PubMed:21816348, ECO:0000269|PubMed:22327364}.

Target Details

Molecular Weight:	76.7 kDa
UniProt:	P81274
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

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