

Datasheet for ABIN7554028

GPSM1 Protein (AA 1-675) (His tag)



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Overview

Quantity:	1 mg
Target:	GPSM1
Protein Characteristics:	AA 1-675
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPSM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GPSM1 Protein expressed in mammalian cells.
Sequence:	<p>MAGPAPPVAD ELPGPAARRL YSRMEASCLE LALEGERLCK AGDFKTGVAF FEAAVQVGTE</p> <p>DLKTLIAIYS QLGNAYFYLK EHGRALEYHK HDLLLARTIG DRMGEAKASG NLGNTLKVLG</p> <p>RFDEAAVCCQ RHLSIAQEQG DKVGEARALY NIGNVYHAKG KQLSWNAANA TQDPGHLPPD</p> <p>VRETLCASE FYERNLSLVK ELGDRAAQGR AYGNLGNTHY LLGNFTEATT FHKERLAIK</p> <p>EFGDKAAERR AYSNLGNAHV FLGRFDVAE YYKKTQLSR QLRDQAVEAQ ACYSLGNTYT</p> <p>LLQDYERAAE YHLRHLLIAQ ELADRVGEGR ACWSLGNAYV SMGRPAQALT FAKKHLQISQ</p> <p>EIGDRHGELT ARMNVAQLQL VLGRLTSPAA SEKPDLAGYE AQGARPKRTQ RLSAETWDL</p> <p>RLPLEREQNG DSHHSGDWRG PSRDSLPLPV RSRKYQEGPD AERRPREGSH SPLDSADVRV</p> <p>HVPRTSIPRA PSSDEECFFD LLTKFQSSRM DDQRCPLDDG QAGAAEATAA PTLEDRIAQP</p> <p>SMTASPQTEE FFDLIASSQS RRLDDQRASV GSLPGLRITH SNAGHLRGHG EPQEPGDDFF</p> <p>NMLIKYQSSR IDDQRCPPPD VLPRGPTMPD EFFFSLIQRV QAKRMDEQRV DLAGGPEQGA</p>

GGPPEPQQQC QPGAS **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:

GPSM1

Alternative Name:

GPSM1 ([GPSM1 Products](#))

Background:

G-protein-signaling modulator 1 (Activator of G-protein signaling 3),FUNCTION: Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G-protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein-coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal cells. May play a role in drug addiction.
{ECO:0000269|PubMed:11024022, ECO:0000269|PubMed:12642577}.

Molecular Weight:

74.5 kDa

UniProt:

[Q86YR5](#)

Target Details

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