

Datasheet for ABIN7564051

GPSM1 Protein (AA 1-673) (His tag)



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Overview

Quantity:	1 mg
Target:	GPSM1
Protein Characteristics:	AA 1-673
Origin:	Mouse
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> MASPAPPVAE ELPGPASRRRL YSRMEASCLE LALEGERLCK AGDFKAGVAF FEA AVQVGTE DLKTL SAIYS QLG NAYFY LK EYARALQ FHK HDLL LARTIG DRMGEAKASG NLGNTLKV LG RFDEAIVCCQ RHL DIAEQEQG DKVGEARALY NIGNVYHAKG KQLSWNAAQD PGHLPPDVRE TLHRASEFYE RNLSLVKELG DRAAQGRAYG NLGNTHYLLG NFTEATTFHK ERLIAIKEFG DKAAERRAYS NLGNAHIFLG RFDVAAEHYK KTLQLSRQLR DQAVEAQACY SLGNTYTLLQ DYERAAEYHL RHLVIAQELA DRVGEGRACW SLGNAYVSMG SPAQALTFAK KHLQISQEIG DRNGELTARM NIAHLQLALG RLTSPAAAEK PDLAGYEAQG ARPKRTQRLS AETWDLRLRP LDREQNGETH HTGDWRGPGR DSLPLPMRSR KYQEGPDAIE RRPREGSHSP LDSADVRVQV PRTGIPRAP SDEECFFDLL SKFQSSRMDD QRCPLEEGQA GAAEATAAPS VEDRAAQSSV TASPQTEEFF DLIASSQSRR LDDQRASVGS LPGLRITLNN VGHLRGDGD A QEPGDEFFNM LIKYQSSRID DQRCPPPDVL PRGPTMPDED FFSLIQRVQA KRMDEQRVDL AGSPEQEASG </p>

LPDPQQQCPP GAS **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	GPSM1
Alternative Name:	Gpsm1 (GPSM1 Products)
Background:	<p>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.</p> <p>{ECO:0000269 PubMed:16009138}.</p>
Molecular Weight:	74.4 kDa
UniProt:	Q6IR34

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