

Datasheet for ABIN7564892

GPS1 Protein (AA 1-471) (His tag)



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Overview

Quantity:	1 mg
Target:	GPS1
Protein Characteristics:	AA 1-471
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gps1 Protein expressed in mammalian cells.
Sequence:	<p>MQIDVDPQED PQNAPDVNYV VENPTLDLEQ YAASYSGLMR IERLQFIADR CPPLRVEALK MALSFVQRTF NVDMYEEIHR KLSEATRELQ NAPDAIPESG VEPPLDTAW VEATRKALL KLEKLDTLK NYKGNSIKES IRRGHDDLGD HYLD CGDLSN ALKCYSRARD YCTSAKHVIN MCLNVIKVSF YLQNW SHVLS YVSKAESTPE IAEQRGERDS QTQAILTKLK CAAGLAELAA RKYKQAAKCF LLASFDHCDF PELLSPSNVA VYGGLCALAT FDRQELQRNV ISSSSFKLFL ELEPQVRDII KKFYESKYAS CLKMLDEM KD NLLLD MYLAP HVRTLYTQIR NRALIQYFSP YVSADM HKMA AAFNTTVAAL EDEL TQLILE GLINARIDSH SKILYARDVD QRSTTFEKS L LMGKEFQRR KAMILRAAVL RNQIHVKSP REGSQGELTP ANSQSRMSTN M</p> <p>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>

Product Details

Characteristics:	<div>Key Benefits:</div> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	GPS1
Alternative Name:	Gps1 (GPS1 Products)
Background:	<p>COP9 signalosome complex subunit 1 (SGN1) (Signalosome subunit 1) (G protein pathway suppressor 1) (GPS-1) (JAB1-containing signalosome subunit 1),FUNCTION: Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFκBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Suppresses G-protein- and mitogen-activated protein kinase-mediated signal transduction (By similarity). {ECO:0000250}.</p>
Molecular Weight:	53.4 kDa
UniProt:	Q99LD4

Target Details

Pathways: [Cell Division Cycle](#)

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