

Recombinant Human GPSM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GPSM1-4519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GPSM1 MS Standard C13 and N15-labeled recombinant protein (NP_001139110) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	G-protein signaling modulators (GPSMs) play diverse functional roles through their interaction with G-protein subunits. This gene encodes a receptor-independent activator of G protein signaling, which is one of several factors that influence the basal activity of G-protein signaling systems. The protein contains seven tetratricopeptide repeats in its N-terminal half and four G-protein regulatory (GPR) motifs in its C-terminal half. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	74.3 kDa
AA Sequence	MAGPAPPVADELPGPAARRLYSRMEASCLELALALEGERLCKAGDFKTGVAFFEEAAVQ VGTEDLKTLSTAIYSQLGNAYFYLKEHGRALEYHKHDLARTIGDRMGEEKASGNLG NTLKVLRGFDEAAVCCQRHLSIAQEQGDKVGEARALYNIGNVYHAKGKQLSWNAAN ATQDPGHLPPDVRETLCASEFYERNLSLVKELGDRAAQGRAYGNLGNTHYLLGNF TEATTFHKERLAIKEFGDKAAERRAYSNLGNAHVFLGRFDVAAEYKKTLLQLSRQL RDQAVEAQACYSLGNTYTLLQDYERAAEYHLRHLLIAQELADRVGEGRACWSLQNA

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YVSMGRPAQALTFAKKHLQISQEIGDRHGELTARMNVAQLQLVLGRLTSPAASEKP
 DLAGYEAQGARPRTQRLSAETWDLRLPLEREQNGDSHHSGDWRGSPSRDSLPLP
 VRSRKYQEGPDAERRPREGSHSPLDSADVRVHVPRTSIPRAPSSDEECFFDLLTKF
 QSSRMDDQRCPLDDGQAGAAEATAAPTLEDRIAQPSMTASPQTEEFFDLIASSQSR
 RLDDQRASVGSPLGLRITHSNAGHLRGHGEPQEPGDDFFNMLIKYQSSRIDDQRCP
 PPDVLPRGPTMPDEDEFFSLIQRVQAKRMDEQRVDLAGGPEQGAGGPPEPQQQCQ
 PGASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [GPSM1 G-protein signaling modulator 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [GPSM1](#)

Synonyms GPSM1; G-protein signaling modulator 1; G protein signalling modulator 1 (AGS3 like, C. elegans); G-protein-signaling modulator 1; AGS3; AGS3 homolog (C. elegans); DKFZP727I051; AGS3 homolog; activator of G-protein signaling 3; G-protein signalling modulator 1 (AGS3-like, C. elegans); DKFZp727I051;

Gene ID [26086](#)

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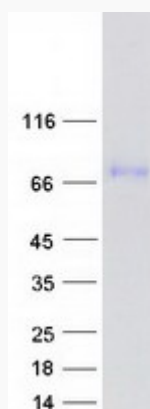
mRNA Refseq [NM_001145638](#)

Protein Refseq [NP_001139110](#)

MIM [609491](#)

UniProt ID [Q86YR5](#)

SDS-PAGE



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