

Product datasheet for PH305650

GPSM2 (NM_013296) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GPSM2 MS Standard C13 and N15-labeled recombinant protein (NP_037428)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205650
Predicted MW:	75.8 kDa
Protein Sequence:	>RC205650 protein sequence Red=Cloning site Green=Tags(s)

MREDHSFHVRYRMEASCLELALALEGERLCKSGDCRAGVSFFAAVQVGTEDLKTLSAIYSQLGNAYFYLHD
YAKALEYHHHDLTLARTIGDQLGEAKASGNLGNLKVLFNFDEAIVCCQRHLDISRELNKVGGEARALYN
LGNVYHAKGKSFGCPGPQDVGEFPEEVRDALQAAVDVFEENLSLVTALGDRAAQGRAFGNLGNTHYLLGN
FRDAVIAHEQRLLIKEFGDKAAERRAYSNLGNAYIFLGEFETASEYYKKTLLARQLKDRAVEAQSCYS
LGNTYTLQDYEKAIIDYHLKHLAIAQELNDRIGEGRACWSLGNAYTALGNHDQAMHFAEKHLEISREVG
KSGELTARLNLSDLQMVGLSYSTNNSIMSENTEIDSSLNGVRPKLRRRHSMENMELMKLTPEKVQNWNS
EILAKQKPLIAKPSAKLLFVNRLKGGKYKTNSSSTKVLQDASNSIDHRIPNSQRKISADTIGDEGFFDLS
RFQSNRMDDQRCLQEKNCHTASTTTSSPPKMMMLKTSSVPPVSPNTDEFLLDASSQSRRLDDQRASFS
NLPGLRLTQNSQSVLSHLMTNDNKEADEFFDILVKCQGSRLDDQRCAPPATTGPTVPDEDFSLILR
SQGKRMDEQRVLLQRDQNRDQDFGLKDFLQNNALLEFKNSGKKSADH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037428
RefSeq Size:	3039



[View online »](#)

RefSeq ORF: 2031

Synonyms: CMCS; DFNB82; LGN; PINS

Locus ID: 29899

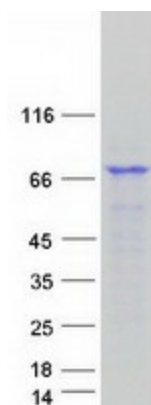
UniProt ID: [P81274](#), [A0A024R0F8](#)

Cytogenetics: 1p13.3

Summary: The protein encoded by this gene belongs to a family of proteins that modulate activation of G proteins, which transduce extracellular signals received by cell surface receptors into integrated cellular responses. The N-terminal half of this protein contains 10 copies of leu-gly-asn (LGN) repeat, and the C-terminal half contains 4 GoLoco motifs, which are involved in guanine nucleotide exchange. This protein may play a role in neuroblast division and in the development of normal hearing. Mutations in this gene are associated with autosomal recessive nonsyndromic deafness (DFNB82). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified GPSM2 protein (Cat# [TP305650]). The protein was produced from HEK293T cells transfected with GPSM2 cDNA clone (Cat# [RC205650]) using MegaTran 2.0 (Cat# [TT210002]).