

## Product datasheet for **TP509933**

### Gpsm2 (NM\_029522) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse G-protein signalling modulator 2 (AGS3-like, <i>C. elegans</i> ) (Gpsm2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209933 protein sequence Red=Cloning site Green=Tags(s)

MREDHSFHVRYRMEASCLELALALEGERLCKSGDCRAGVSFFEAAVQVGTEDLKTLSAIYSQLGNAYFYLDH  
YAKALEYHHHDLTLARTIGDQLGEAKASGNLGNLTKVLGNFDEAIVCCQRHLDISRELNDKVGEARALYN  
LGNVYHAKGKSFSGCPGPQDTGEFPEDVRNALQAAVDLYEENLSLVTALGDRAAQGRAFGNLGNTHYLLGN  
FRDAVIAHEQRLLIAKEFGDKAAERRAYSNLGNAYIFLGEFETASEYYKKTLLLARQLKDRAVEAQSCYS  
LGNTYTLQDYEKAIIDYHLKHLAIAQELKDRIGRACWSLGNAYTALGNHDQAMHFAEKHLEISREVDG  
KSGELTARLNLSDLQMVGLSYSTNNSMMSENIEIDGSLHGAGAKLGRRHSMENLELMKLTPEKVPNWNS  
EILAKQKPLIAKPSAKLLFVNRLKGGKYKSGSACTKVLQDASNSVDHRAPRSQKKISSDTIGDEGFFDLL  
RRFQSNRMDDQRCHLQGNCRRTSTAASATPKMKAPSVSVWSPNTDEFLDLLASSQSRRLLDDQRASFSN  
LPGLRLTKGNSPSVLERLMTNDKKEPDEFFDILVKCQGSRLDDQRCAPPSAATKGPTVPDEDDFFSLILR  
SQAKRMDEQRVLLQRDPNRDSEFGLKELLQNNALLEFKHSGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	74.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<a href="#">NP_083798</a>
Locus ID:	76123
UniProt ID:	<a href="#">Q8VDU0</a> , <a href="#">Q3UPG3</a>
RefSeq Size:	3510
Cytogenetics:	3 F3
RefSeq ORF:	2019
Synonyms:	6230410J09Rik; LGN; Pins
Summary:	Plays an important role in mitotic spindle pole organization via its interaction with NUMA1 (PubMed:21816348). Required for cortical dynein-dynactin complex recruitment during metaphase (By similarity). Plays a role in metaphase spindle orientation (By similarity). Plays an important role in asymmetric cell divisions (PubMed:12571286, PubMed:21816348). Has guanine nucleotide dissociation inhibitor (GDI) activity towards G(i) alpha proteins, such as GNAI1 and GNAI3, and thereby regulates their activity (PubMed:22952234).[UniProtKB/Swiss-Prot Function]