

## Product datasheet for **TP305650M**

### **GPSM2 (NM\_013296) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human G-protein signaling modulator 2 (AGS3-like, <i>C. elegans</i> ) (GPSM2), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC205650 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MREDHSFHVRYRMEASCLELALALEGERLCKSGDCRAGVSFFEAQVQGTEDLKTLSAIYSQLGNAYFYLDH  
YAKALEYHHDLTLARTIGDQLGEAKASGNLGNLTKVLGNFDEAIVCCQRHLDISRELNDKVGARALYN  
LGNVYHAKGKSFSGCPGPQDVGEFPEEVRDALQAAVDYFEEENLSLVTALGDRAAQGRAFGNLGNTHYLLGN  
FRDAVIAHEQRLLIAKEFGDKAAERRAYSNLGNAYIFLGEFETASEYKKTLLARQLKDRAVEAQSCYS  
LGNTYTLQDYEKADYHLKHLAIAQELNDRIGEGRACWSLGNAYTALGNHDQAMHFAEKHLEISREVG  
KSGELTARLNLSLQMVGLSYSTNNSIMSENTEIDSSLNQVRPKLGRRHSMENMELMKTPEKVQNWNS  
EILAKQKPLIAKPSAKLLFVNRLKGGKYKTNSSSTKVLQDASNSIDHRIPNSQRKISADTIGDEGFFDLLS  
RFQSNRMDDQRCLQEKNCHTASTTSSSTPPKMMMLKTSSVPVWSPNTDEFLLDASSQSRRLDDQRASFS  
NLPGLRLTQNSQSVLSHLMNTDNKEADEDFDILVKCQGSRLDDQRCAPPPATTGKPTVPDEDFSLILR  
SQGKRMDEQRVLLQRDQNRDTDFGLKDFLQNNALLEFKNSGKKSADH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

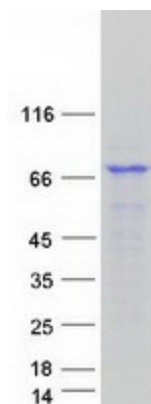
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	76.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_037428</a>
<b>Locus ID:</b>	29899
<b>UniProt ID:</b>	<a href="#">P81274</a> , <a href="#">A0A024R0F8</a>
<b>RefSeq Size:</b>	3039
<b>Cytogenetics:</b>	1p13.3
<b>RefSeq ORF:</b>	2031
<b>Synonyms:</b>	CMCS; DFNB82; LGN; PINS
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).