

## Product datasheet for **TP327680M**

### **GPSM1 (NM\_001145638) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Homo sapiens G-protein signaling modulator 1 (AGS3-like, C. elegans) (GPSM1), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC227680 representing NM_001145638 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGPAPPVADELPGPAARRLYSRMEASCLELALALEGERLCKAGDFKTGVAFFEAAVQVGTEDLKTLISAIYS  
QLGNAYFYLKEHGRALEYHKHDLARTIGDRMGEEKASGNLGNLTKVLGRFDEAAVCCQRHLSIAQEQG  
DKVGEARALYNIGNVYHAKGKQLSWNAANATQDPGHLPPDVRETLCASEFYERNLSLVKELGDRAAQGR  
AYGNLGNTHYLLGNFTEATTFHKERLAIKAEFGDKAAERRAYSNLGNAHVFLGRFDVAAEYKKTLLQLSR  
QLRDQAVEAQACYSLGNTYLLQDYERAAEYHLRHLLIAQELADRVGEGRACWSLGNAYVSMGRPAQALT  
FAKKHLQISQEIGDRHGELTARMNVAQLQLVLGRLTSPAASEKPDLAGYEAQGARPVRTQRLSAETWDL  
RLPLEREQNGDSHSGDWRGSPSRDSLPLPVRSRKYQEGPDAERRPREGSHSPLDSADVVRVHVPRTSIPRA  
PSSDEECFFDLLTKFQSSRMDDQRCPLDDGQAGAAEATAAPTLEDRIAQPSMTASPQTEFFDLIASSQS  
RRLDDQRASVGLPGLRITHSNAGHLRGHGEPQEPGDDFFNMLIKYQSSRIDDRCPDVLPRGPTMPD  
EDFFSLIQRVQAKRMDEQRVDLAGGPEQGAGGPPPEPQQCQPGAS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

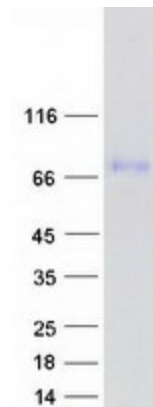
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	74.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein 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_001139110</a>
<b>Locus ID:</b>	26086
<b>UniProt ID:</b>	<a href="#">Q86YR5</a> , <a href="#">A0A0A0MSK4</a>
<b>Cytogenetics:</b>	9q34.3
<b>RefSeq ORF:</b>	2025
<b>Synonyms:</b>	AGS3
<b>Summary:</b>	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. [provided by RefSeq, Dec 2011]

### Product images:



Coomassie blue staining of purified GPSM1 protein (Cat# [TP327680]). The protein was produced from HEK293T cells transfected with GPSM1 cDNA clone (Cat# [RC227680]) using MegaTran 2.0 (Cat# [TT210002]).