

Recombinant Mouse Gpsm1 Protein, Myc/DDK-tagged

Cat. No. Gpsm1-3298M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length G-protein signalling modulator 1 (AGS3-like, C, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G-protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein-coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal cells. May play a role in drug addiction.
Molecular Mass	73 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Gpsm1 G-protein signalling modulator 1 (AGS3-like, C. elegans) [Mus musculus (house mouse)]
Official Symbol	Gpsm1
Synonyms	Gpsm1; G-protein signalling modulator 1 (AGS3-like, C. elegans); Ag; Ags3; AW107933; 1810037C22Rik; G-protein-signaling modulator 1; activator of G-protein signaling 3
Gene ID	67839
mRNA Refseq	NM_153410
Protein Refseq	NP_700459
UniProt ID	Q6IR34

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