Recombinant Mouse Gpsm2 Protein, Myc/DDK-tagged

Cat. No. Gpsm2-3299M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length G-protein signalling modulator 2 (AGS3-like, C. elegans) (Gpsm2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays an important role in mitotic spindle pole organization via its interaction with NUMA1. Required for cortical dynein-dynactin complex recruitment during metaphase. Plays a role in metaphase spindle orientation. Plays an important role in asymmetric cell divisions. Has guanine nucleotide dissociation inhibitor (GDI) activity towards G(i) alpha proteins, such as GNAI1 and GNAI3, and thereby regulates their activity.
Molecular Mass	74.8 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	Gpsm2 G-protein signalling modulator 2 (AGS3-like, C. elegans) [Mus musculus (house mouse)]
Official Symbol	Gpsm2
Synonyms	GPSM2; G-protein signalling modulator 2 (AGS3-like, C. elegans); G-protein-signaling modulator 2; pins homolog (Drosophia); LGN; Pins; 6230410J09Rik
Gene ID	76123
mRNA Refseq	NM_029522
Protein Refseq	NP_083798
UniProt ID	Q8VDU0

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