

## Recombinant Mouse Gpm6a Protein, Myc/DDK-tagged

**Cat. No.** Gpm6a-3289M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length glycoprotein m6a (cDNA clone MGC:32434 IMAGE:5041793), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. Gpm6a-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. May be involved in neuronal NGF-dependent Ca <sup>2+</sup> influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs); enhances internalization and recycling of mu-type opioid receptor.
<b>Molecular Mass</b>	29.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

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

## GENE INFORMATION

**Gene Name** Gpm6a glycoprotein m6a [ *Mus musculus* (house mouse) ]

**Official Symbol** Gpm6a

**Synonyms** Gpm6a; glycoprotein m6a; M6; Gpm; M6A; Gpm6; neuronal membrane glycoprotein M6-a

**Gene ID** 234267

**mRNA Refseq** NM\_153581

**Protein Refseq** NP\_705809

**UniProt ID** P35802

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