

Recombinant Mouse Gpm6a Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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 ²⁺ 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.
Molecular Mass	29.8 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.

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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.
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GENE INFORMATION

Gene Name	Gpm6a glycoprotein m6a [Mus musculus (house mouse)]
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Official Symbol	Gpm6a
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Synonyms	Gpm6a; glycoprotein m6a; M6; Gpm; M6A; Gpm6; neuronal membrane glycoprotein M6-a
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Gene ID	234267
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mRNA Refseq	NM_153581
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Protein Refseq	NP_705809
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UniProt ID	P35802
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