

## Recombinant Mouse Gm2a Protein, Myc/DDK-tagged

Cat. No. Gm2a-3241M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length GM2 ganglioside activator protein (Gm2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Binds gangliosides and stimulates ganglioside GM2 degradation. It stimulates only the breakdown of ganglioside GM2 and glycolipid GA2 by beta-hexosaminidase A. It extracts single GM2 molecules from membranes and presents them in soluble form to beta-hexosaminidase A for cleavage of N-acetyl-D-galactosamine and conversion to GM3. The large binding pocket can accommodate several single chain phospholipids and fatty acids, GM2A also exhibits some calcium-independent phospholipase activity. Has cholesterol transfer activity.
<b>Molecular Mass</b>	20.8 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.
<b>Concentration</b>	>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** Gm2a GM2 ganglioside activator protein [ *Mus musculus* (house mouse) ]

**Official Symbol** Gm2a

**Synonyms** GM2A; GM2 ganglioside activator protein; ganglioside GM2 activator; shingolipid activator protein 3; cerebroside sulfate activator protein; SAP-3; GM2-AP; AA408702; AW215435

**Gene ID** 14667

**mRNA Refseq** NM\_010299

**Protein Refseq** NP\_034429

**UniProt ID** Q60648

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