

Recombinant Mouse Gm2a Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length GM2 ganglioside activator protein (Gm2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	20.8 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 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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