

Recombinant Full Length Human GM2A Protein

Cat. No. GM2A-199HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GM2A with N terminal proprietary tag. Predicted MW 47.3 kDa
Species	Human
Source	In Vitro Cell Free System
ProteinLength	193 amino acids
Description	This gene encodes a small glycolipid transport protein which acts as a substrate specific co-factor for the lysosomal enzyme beta-hexosaminidase A. Beta-hexosaminidase A, together with GM2 ganglioside activator, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene result in GM2-gangliosidosis type AB or the AB variant of Tay-Sachs disease. Alternative splicing results in multiple transcript variants.
Form	Liquid
Molecular Mass	47.300kDa inclusive of tags
AA Sequence	MQSLMQAPLLIALGLLLAAPAQAHLKKPSQLSSFSWDNCD EGKDPVIRSLTLEPDP IIVPGNVTL SVMGSTSVPLSSPL KVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCDVLD MLIP TGEPCPEPLRTYGLPCHCPFKEGTYSLPKSEFVVPDLELP SWLTTGNYRIESV LSSSGKRLGCIKIAASLKG I

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Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	GM2A GM2 ganglioside activator [Homo sapiens]
Official Symbol	GM2A
Synonyms	GM2A; GM2 ganglioside activator; GM2 ganglioside activator protein; ganglioside GM2 activator; cerebroside sulfate activator protein; SAP 3; sphingolipid activator protein 3
Gene ID	2760
mRNA Refseq	NM_000405
Protein Refseq	NP_000396
MIM	613109
UniProt ID	P17900

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