

Recombinant Human GM2A

Cat. No. GM2A-27456TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human GM2A with N terminal proprietary tag; Predicted MW 36.63 kDa
Species	Human
Source	Wheat Germ
ProteinLength	100 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.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	WIKIPCTDYIGSCTFEHFCDVLDMLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSE FVVPDLELPWLTTGNRYRIESVLSSSGKRLGCIKIAASLKGI
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
Chromosome Location	5q33.1
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	beta-N-acetylhexosaminidase activity; sphingolipid activator protein activity;

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