

Ganglioside GM2 activator (GM2A) Recombinant Protein | GM2A recombinant protein

Recombinant Human Ganglioside GM2 activator (GM2A)

CATALOG # AAA113985	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Ganglioside GM2 activator (GM2A); Recombinant Human Ganglioside GM2 activator (GM2A); GM2A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	32-193aa; Full Length of Mature Protein
Sequence	SSFSWDNCDE GKDPAVIRSL TLEPDPIIVP GNVTL SVMGS TSVPLSSPLK VDLVLEKEVA GLWIKIPCTD YIGSCTFEHF CDVLDMLIPT GEPCPEPLRT YGLPCHCPFK EGTYSLPKSE FVVPDLELPS WLTGNYRIE SVLSSSGKRL GCIIKIAASLK GI
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for GM2A recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39995109
NCBI GeneID	2760
NCBI Accession #	NP_000396.2
NCBI GenBank Nucleotide #	NM_000405.4
UniProt Accession #	P17900 ; Q14426 ; Q14428 ; Q6LBL5 ; B2R699 ; D3DQH6
Molecular Weight	33.6
NCBI Official Full Name	ganglioside GM2 activator isoform 1
NCBI Official Synonym Full Names	GM2 ganglioside activator
NCBI Official Symbol	GM2A
NCBI Official Synonym Symbols	SAP-3; GM2-AP
NCBI Protein Information	ganglioside GM2 activator

UniProt Protein Name	Ganglioside GM2 activator
UniProt Gene Name	GM2A
UniProt Synonym Gene Names	SAP-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gm2a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113985>