

Product datasheet for **TP302452SE**

GM2A (NM_000405) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human GM2 ganglioside activator (GM2A), secretory expressed in HEK293T cells, 20ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202452 protein sequence Red =Cloning site Green =Tags(s)
	<p>MQSLMQAPLLIALGLLLAAAPAQAHLKKPSQLSSFSWDNCDEGKDPVIRSLTLEPDPIVWPGNVTL SVG STSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCDVLDMLIPTGEPCEPLRTYGLPCHCPF KEGTYSLPKSEFVVPDLELPSWLTGNYRIESVLSSSGKRLGCIKIAASLKI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	22.1 kDa
Concentration:	>50 ug/mL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000396</u>
Locus ID:	2760
UniProt ID:	<u>P17900</u>
RefSeq Size:	3690
Cytogenetics:	5q33.1



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RefSeq ORF: 579

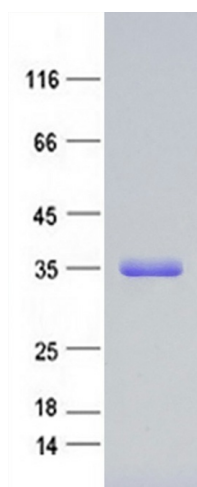
Synonyms: GM2-AP; SAP-3

Summary: 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. [provided by RefSeq, Nov 2009]

Protein Families: Druggable Genome

Protein Pathways: Lysosome

Product images:



Coomassie blue staining of purified GM2A protein (Cat #TP302452SE). The protein was produced from mammalian cells transfected with GM2A cDNA clone (Cat #[RC202452]).