

Product datasheet for **TP302452L**

GM2A (NM_000405) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human GM2 ganglioside activator (GM2A), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC202452 protein sequence
Red=Cloning site **Green**=Tags(s)

MQSLMQAPLLIALGLLLAAPAQAHLKPKSQLSSFSWDNCDEGKDPVIRSLTLEPDPVIVPGNVTLISVVG
STSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCDVLDMLIPTGEPCEPLRTYGLPCHCPF
KEGTYSLPKSEFVVPDLELPSWLTTGNYRIESVLSSSGKRLGCIKIAASLKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 20.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000396](#)

Locus ID: 2760

UniProt ID: [P17900](#)

RefSeq Size: 3690



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Cytogenetics: 5q33.1

RefSeq ORF: 579

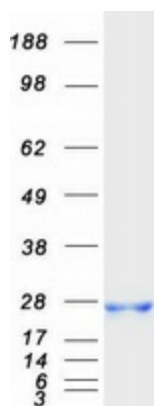
Synonyms: GM2-AP; SAP-3

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# [TP302452]). The protein was produced from HEK293T cells transfected with GM2A cDNA clone (Cat# [RC202452]) using MegaTran 2.0 (Cat# [TT210002]).