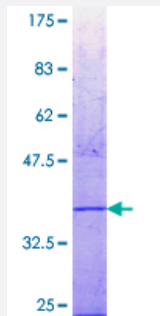


GM2A (Human) Recombinant Protein (Q01)

Catalog # H00002760-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GM2A partial ORF (NP_000396.2, 94 a.a. - 193 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	WIKIPCTDYIGSCTFEHFCDVLDMLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEFVVPDLELP SWLTTGNYRIESVLSSSGKRLGCIKIAASLKGI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GM2A

Entrez GeneID [2760](#)

GeneBank Accession# [NM_000405](#)

Protein Accession# [NP_000396.2](#)

Gene Name GM2A

Gene Alias SAP-3

Gene Description GM2 ganglioside activator

Omim ID [272750](#)

Gene Ontology [Hyperlink](#)

Gene 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 A B or the AB variant of Tay-Sachs disease. [provided by RefSeq]

Other Designations cerebroside sulfate activator protein|sphingolipid activator protein 3

Pathway

- [Lysosome](#)

Disease

- [Tobacco Use Disorder](#)