

32-8466: Recombinant Human Ganglioside GM2 Activator/GM2A (C-6His)

Gene : GM2A
Gene ID : 2760
Uniprot ID : P17900

Description

Source: Human Cells.

MW :18.6kD.

Recombinant Human Ganglioside GM2 activator is produced by our Mammalian expression system and the target gene encoding Ser32-Ile193 is expressed with a 6His tag at the C-terminus. Ganglioside GM2 activator (GM2A) is a small glycolipid transport protein which acts as a substrate specific co-factor for the lysosomal enzyme beta-hexosaminidase A (HEXB). HEXB together with GM2A, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. GM2A accommodate several single chain phospholipids and fatty acids, is a lipid transfer protein that stimulates the enzymatic processing of gangliosides, and also T-cell activation through lipid presentation. It extracts single GM2 molecules from membranes and presents them in soluble form to beta-hexosaminidase A for cleavage of N-acetyl-D-galactosamine and conversion to GM3.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,pH7.5.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : SSFSWDNCDEGKDPVIRSLTLEPDPIVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCT
FEHFCDVLDMLIPTGEPCEPLRTYGLPCHCPFKEGTYSPLKSEFVVPDLELPWLTTGNYRIESVLSSSGKRLGC
IKIAASLKGIVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.