

GM2 Ganglioside Activator Pseudogene 1 Human Recombinant

Item Number	rAP-4300
Synonyms	GM2 Ganglioside Activator, Cerebroside Sulfate Activator Protein, Sphingolipid Activator Protein 3, GM2-AP, SAP-3, GM2 Ganglioside Activator Protein, Shingolipid Activator Protein 3, GM2A.
Description	GM2AP1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Ser33-Ile193) containing 170 amino acids including a 9 aa His tag at N-terminus. The total calculated molecular mass is 18.7kDa.
Uniprot Accession Number	P17900
Amino Acid Sequence	MKHHHHHHAS FSWDNCDEGK DPAVIRSLTL EPDPIIVPGN VTLSVMGSTS VPLSSPLKVD LVLEKEVAGL WIKIPCTDYI GSCTFEHFCD VLDMLIPTGE PCPEPLRTYG LPCHCPFKEG TYSLPKSEFV VPDLELPSWL TTGNRYIESV LSSSGKRLGC IKIAASLKGI.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	GM2AP1 was filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M Tris buffer and 0.1M NaCl, pH 8.0. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. GM2AP1 is not sterile! Please filter the product by an appropriate sterile filter before using it in
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**