

Datasheet for ABIN7561496
GAL3ST1 Protein (AA 1-423) (His tag)



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Overview

Quantity:	1 mg
Target:	GAL3ST1
Protein Characteristics:	AA 1-423
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAL3ST1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gal3st1 Protein expressed in mammalian cells.
Sequence:	<p>MTLLPKKPCK SKAKGLLLGA LFTSLLLLLY SYVPPLYPN MAFTTSEAAA PCSPIPNEPV AATPANGSAG GCQPRRDIVF MKTHKTASST LLNILFRFGQ KHELKFAFPN GRNDFHYPSY FARSLVQDYR PGACFNIICN HMRFHYYEVR GLVRPGATFI TVIRDPARLF ESSFHVFGSV VPLTWKLSSR DKLAEFLQDP DRYYPSSYN AHYLRNLLFF DLGYDSSLDP ASPRVQEHIL EVERRFHLVL LQEYFDESLV LLRELLCWDL EDVLYFKLNA RRDSPVPRLS GELYRRATAW NLLDVRLYRH FNASFWRKVE AFGRERMARE VAELRQANEH MRHICIDGGQ AVGAEAIQDS AMQPWQPLGI KSILGYNLKK SIGPQHEQLC RRMLTPEIQY LSDLGANLWV TKLWKFLRDF LRW</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</p> <p>In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

GAL3ST1

Alternative Name:

Gal3st1 ([GAL3ST1 Products](#))

Background:

Galactosylceramide sulfotransferase (GalCer sulfotransferase) (EC 2.8.2.11) (3'-phosphoadenosine-5'-phosphosulfate:GalCer sulfotransferase) (3'-phosphoadenylylsulfate:galactosylceramide 3'-sulfotransferase) (Cerebroside sulfotransferase),FUNCTION: Catalyzes the transfer of a sulfate group to position 3 of non-reducing beta-galactosyl residues in glycerolipids and sphingolipids, therefore participates in the biosynthesis of sulfoglycolipids (PubMed:11917099). Catalyzes the synthesis of galactosylceramide sulfate (sulfatide), a major lipid component of the myelin sheath and of monogalactosylalkylacylglycerol sulfate (seminolipid), present in spermatocytes (PubMed:11917099). Seems to prefer beta-glycosides at the non-reducing termini of sugar chains attached to a lipid moiety. Also acts on lactosylceramide, galactosyl 1-alkyl-2-sn-glycerol and galactosyl diacylglycerol (in vitro) (By similarity). {ECO:0000250|UniProtKB:Q99999, ECO:0000269|PubMed:11917099}.

Molecular Weight:

49.0 kDa

Target Details

UniProt: [Q9JHE4](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months