
Recombinant Human ST6Gal I Protein

Catalog Number: 230-30280

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/12/2024

Source

Species	Human
Accession Number	P15907
Gene Symbols	ST6GAL1
Synonyms	Alpha 2,6-ST 1, B-cell antigen CD75, ST6Gal I, ST6Gall, Sialyltransferase 1.
Expressed Region	Lys27-Cys406

Preparation

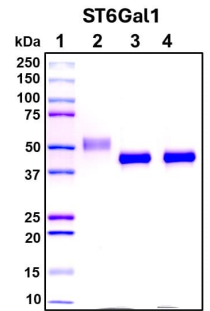
Expression System	HEK293 cells
Tag	C-terminal His-tag
Purity	>95%
Molecular Weight	Recombinant protein product has a calculated molecular mass of 40 kDa. Due to the abundant glycosylation, it migrates as approximately 52 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions.
Endotoxin Level	< 0.5 EU per ?g of the protein as determined by the LAL method

Specifications

Format	Liquid
Formulation	Filtered solution in 1x PBS (pH 7.2) with 0.5% mannitol and 0.1% trehalose
Concentration	Refer to the label on the vial for the specific concentration, determined by the Pierce BCA Protein Assay Kit.

SDS-PAGE Image

Figure 1. Deglycosylation analysis of purified recombinant proteins. Product was either untreated (Lane 2) or treated with deglycosylation enzymes under native (Lane 3) or denaturing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift, indicating that the untreated protein (Lane 2) was glycosylated. Lane 1, protein ladder (kDa).



Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the liquid protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots.
- Generally, the shelf life is up to 6 months from the date of receipt at -20°C or -80°C under sterile conditions.