

Human ST3GAL4 Protein

Cat. No. ST3-HM1L4HA

Description

Source	Recombinant Human ST3GAL4 Protein is expressed from HEK293 with His tag at the C-Terminus and HA at the N-Terminus. It contains Glu41-Phe333.
Accession	Q11206.1
Molecular Weight	The protein has a predicted MW of 35.4 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ST3GAL4 gene expression is altered in different cancer types, including cervical cancer. Several mRNA transcripts have been reported for this gene. ST3GAL4 encodes for β galactosidase α 2,3sialyltransferase 4, involved in the biosynthesis of the tumour antigens sLe(x) and sulfosLe(x).

Assay Data

Bis-Tris PAGE



Human ST3GAL4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.