

Human ST3GAL4 Protein

Cat. No. ST3-HM1L4HA



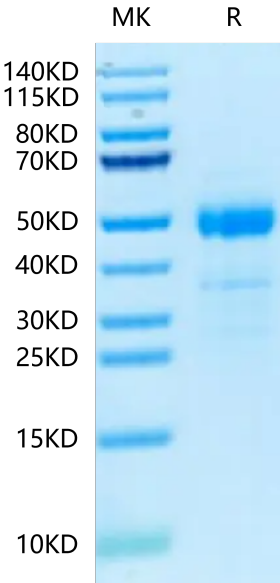
Description	
Source	Recombinant Human ST3GAL4 Protein is expressed from HEK293 with His tag at the C-Terminus and HA at the N-Terminus. It contains Glu41-Phe333.
Accession	Q11206.1
Molecular Weight	The protein has a predicted MW of 35.4 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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 βgalactosidase α2,3sialyltransferase 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%.