

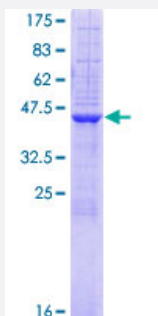
Full-Length

# ST6GAL1 (Human) Recombinant Protein (P01)

Catalog # H00006480-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ST6GAL1 full-length ORF ( NP_775324.1, 1 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MNSQLVTTEKRFLKDSLYNEGILVWDPSVYHSDIPKWYQNPDYNFFNNYKTYRKLHPNQPFYILKP QMPWELWDILQEISPEEIQNPPSSGMLGIIMMTLCDQVDIYEFLPSKRKTDVCYYYQKFFDSACT MGAYHPLLYEKNLVKHLNQGTDEDIYLLGKATLPGFRTIHC
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	47.2
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ST6GAL1

Entrez GeneID [6480](#)

GeneBank Accession# [NM\\_173217.1](#)

Protein Accession# [NP\\_775324.1](#)

Gene Name ST6GAL1

Gene Alias CD75, MGC48859, SIAT1, ST6GalI, ST6N

Gene Description ST6 beta-galactosamide alpha-2,6-sialyltransferase 1

Omim ID [109675](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II m membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-contai ning substrates. The protein, which is normally found in the Golgi but can be proteolytically proces sed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants a nd differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described. [provided by RefSeq

**Other Designations** CMP-N-acetylneuraminate beta-galactosamide alpha-2,6-sialyltransferase|ST6Gal II|alpha 2,6-ST| sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase)|sialyltransferase 1 (beta-galacto side alpha-2,6-sialyltransferase)

## Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

## Disease

- [Tobacco Use Disorder](#)