

## Recombinant Human ST6GAL1 Protein, His-tagged

Cat. No. ST6GAL1-2739H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ST6GAL1 Protein (Lys27-Cys406) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys27-Cys406
<b>Description</b>	<p>This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Alternative splicing results in multiple transcript variants.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 47.3 kDa Accurate Molecular Mass: 47 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	ST6GAL1 ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ST6GAL1
<b>Synonyms</b>	ST6GAL1; ST6 beta-galactoside alpha-2,6-sialyltransferase 1; ST6N; CDw75; SIAT1; ST6Gall; beta-galactoside alpha-2,6-sialyltransferase 1 B-cell antigen CD75 CMP-N-acetylneuraminat beta-galactosamide alpha-2,6-sialyltransferase CMP-N-acetylneuraminat-beta-galactosamide-alpha-2,6-sialyltransferase 1 ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 alpha 2,6-ST 1

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sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase)  
EC 2.4.99.1

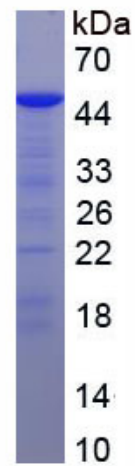
**Gene ID** 6480

**mRNA Refseq** NM\_003032

**Protein Refseq** NP\_003023

**MIM** 109675

**UniProt ID** P15907



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