Recombinant Human ST6GAL1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ST6GAL1 Protein (Lys27-Cys406) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys27-Cys406
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.3 kDa Accurate Molecular Mass: 47 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%

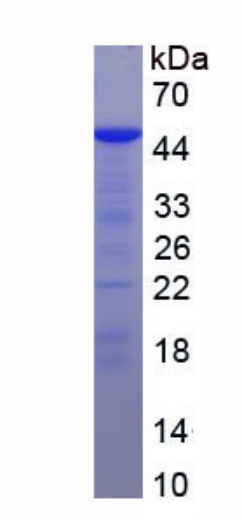
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ST6GAL1 ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [Homo sapiens (human)]
Official Symbol	ST6GAL1
Synonyms	ST6GAL1; ST6 beta-galactoside alpha-2,6-sialyltransferase 1; ST6N; CDw75; SIAT1; ST6GalI; beta-galactoside alpha-2,6-sialyltransferase 1 B-cell antigen CD75 CMP-N-acetylneuraminate beta-galactosamide alpha-2,6-sialyltransferase CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1 ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 ST6 beta-galactosamide alpha-2,6-sialyltranferase 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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