

Active Recombinant Human ST6GAL1 Protein (75-406), N-6×His and GFP tagged

Cat. No. ST6GAL1-11H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CMP-N-acetylneuraminate beta-galactosamide-alpha-2,6-sialyltransferase (ST6GAL1) with a N-6×His, GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	75-406
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.
Bio-activity	≥0.5 μmol/min/mg
Molecular Mass	~60-70 kDa
AA Sequence	RQTLGSLRGLAKAKPEASFQVWNKDSSSKNLIPRLQKIWKNYLSMNKYKVSYKGPG PGIKFSAEALRCHLRDHVNVSMVEVTDFPFNTSEWEGYLPKESIRTKAGPWGRCAV VSSAGSLKSSQLGREIDDHDAVLRFNAGAPTANFQQQDVGKTITIRLMNSQLVTTEKRF

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LKDSLYNEGILIVWDPSVYHSDIPKWYQNPDPYFFNNYKTYRKLHPNQPFYILKPQM
PWELWDILQEISPEEIQPNPPSSGMLGIIIMMTLCDQVDIYEFLPSKRKTDVCYYYQKF
FDSACTMGAYHPLLYEKNLVKHLNQGTDEDIYLLGKATLPGFRTIHC

Purity

>95%, by SDS_PAGE under reducing conditions and visualized by Coomassie Blue stain

Storage

6 months if stored at -80 centigrade. Avoid repeated freeze thaws.

Storage Buffer

Supplied as a 0.2 µm filtered solution in 20mM HEPES and 100mM NaCl buffer, pH 7.0, with 10% Glycerol and 0.05 % NaN₃ as preservative.

Shipping

This product is shipped as 0.2 µm filtered product on dry ice. Upon receipt, store it immediately at the temperature recommended below.

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; ST6Gall; 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-acetylglactosaminide alpha-2,6-sialyltransferase 1; ST6 beta-galactosamide alpha-2,6-sialyltransferase 1; alpha 2,6-ST 1; sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase); EC 2.4.3.1

Gene ID

6480

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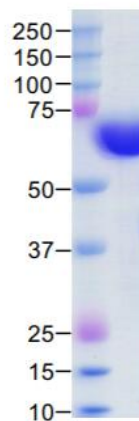
mRNA Refseq NM_173216

Protein Refseq NP_775323

MIM 109675

UniProt ID P15907

SDS-PAGE



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