

Product Information

MemDX™ Membrane Protein Human ST6GAL1 (ST6 beta-galactoside alpha-2,6-sialyltransferase 1) Full Length

Cat. No.: **MPC3473K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ST6GAL1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ST6GAL1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MIHTNLKKKFSCCVLVFLLFAVICVWKEKKKGSYYDSFKLQTKEFQVLKS
LGKLAMGSDSQSVSSSTQDPHRGRQTLGSLRGLAKAKPEASFQVWNKDS
SSKNLIPRLQKIWKNYLSMNKYKVS YKGP GPGIKFSAEALRCHLRDHVNV
SMVEVTDFFPNTSEWEGYLPKESIRTKAGPWGRCAVVSSAGSLKSSQLGR
EIDHDHAVLRFNGAPTANFQQDVGKTTIRLMNSQLVTTEKRFLKDSL YN
EGILIVWDPSVYHSDIPKWYQNP DY NFFN NYKTYRKLHPNQPFYILKPQM
PWELWDILQEISPEEIQPNPPSSGMLGIIIMMTLC DQVDIYEFLPSKRKT
DVCYYYQKFFDSACTMGAYHPLL YEKNLVKHLNQGTDEDIYLLGKATLPG
FRTIHC

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

ST6GAL1

Full Name

ST6 beta-galactoside alpha-2,6-sialyltransferase 1

Introduction

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.

Alternative Names

ST6GAL1; ST6N; 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-acetylgalactosaminide 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); ST6 beta-galactoside alpha-2,6-sialyltransferase 1

Gene ID

[6480](#)

UniProt ID

[P15907](#)