

ST6GAL1, 27-406aa, Human, His tag, E.coli

Cat.NO.: TP04046

3th Edition

Synonyms: Beta-galactoside alpha-2,6-sialyltransferase 1 isoform a, SIAT1, ST6Gal1, ST6N

Description: ST6GAL1 also known as Beta-galactoside alpha-2,6-sialyltransferase isoform a, is a member of glycosyltransferase family 29. This protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. ST6GAL1, 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. Recombinant human ST6GAL1, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight: 46kDa (403aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSKEKKKGSYYDSFKLQTKFQVLKSLGKLAMGSDSQSVSSSSTQDPHRGRQ
TLGSLRGLAKAKPEASFQVWNKDSSSKNLIPRLQKIWKNYLSMNKYKVSYKGP GPGIKFSAEALRCHLRDHVNVSM
VEVTDFFPFNTSEWEGYLPKESIRTKAGPWGRCAVVSSAGSLKSSQLGREIDDHDAVLRFN GAPTANFQQDVGTKT
TIRLMNSQLVTTEKRFLKDSLYNEGILIVWDPSVYHSDIPKWYQNP DYNFFN NYKTYRKLHPNQPFYILKPQMPWEL
WDILQEISPEEIQPNPPSSGMLGIIIMMTLCDQVDIYEF LPSKRKTDVCY YYYQKFFDSACTMGAYHPLL YEKNLVKHL
NQGTDEDIYLLGKATLPGFRTIHC

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.