

ST6GAL1, 27-406aa, Human, His tag, Baculovirus

Cat.NO.: TP04045

3th Edition

Synonyms:Beta-galactoside alpha-2,6-sialyltransferase 1, ST6GAL1, SIAT1, ST6Gall, ST6N

Description:ST6GAL1, also known as beta-galactoside alpha-2,6-sialyltransferase 1, is a type II membrane protein localized in the trans-Golgi network and catalyzes 2,6-sialylation of Gal beta 1,4-GlcNAc structures on N-glycans. It is highly expressed in the liver and also expressed in most other tissues to some extent. Its deficiency causes abnormalities in B cell immunoreactivity. Recombinant human ST6GAL1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:44.6kDa (389aa), 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPKEKKKGSYYDSFKLQTKFQVLKSLGKLAMGSDSQSVSSSSTQDPHRGRQTLGSLRGLAKAKPEASFQVWN
KDSSSKNLIPRLQKIWKNYLSMNKYKVSYKGGPGIKFSAEALRCHLRDHVNVSMVEVTDFFPFNTSEWEGYLPKES
IRTKAGPWGRCAVVSSAGSLKSSQLGREIDDHDAVLRFNAGAPTANFQQDVGTKTTIRLMNSQLVTTEKRFKDSLY
NEGILIVWDPSVYHSDIPKQWYQNPDYNNFFNNYKTYRKLHPNQPFYILKPQMPWELWDILQEISPEEIQPNPPSSGML
GIIIMMTLCDQVDIYEFPSKRKTDVCYYYQKFFDSACTMGAYHPLLYEKNLVKHLNQGTDEDIYLLGKATLPGFRTI
HCHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.