

Recombinant Human ST3GAL3 Protein (29-375 aa), His-SUMO-tagged

Cat. No. ST3GAL3-1002H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ST3GAL3 Protein (29-375 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	29-375 aa
Description	Catalyzes the formation of the NeuAc-alpha-2,3-Gal-beta-1,4-GlcNAc-, NeuAc-alpha-2,3-Gal-beta-1,3-GlcNAc- or NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- sequences found in terminal carbohydrate groups of glycoproteins and glycolipids. The highest activity is toward Gal-beta-1,3-GlcNAc and the lowest toward Gal-beta-1,3-GalNAc.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.9 kDa
AA Sequence	KLHLLQWEEDSNSVLSFDSAGQTLGSEYDRLGFLNLDSKLP AELATKYANFSEGA CKPGYASALMTAIFPRFSKPAPMFLDDSF RKWARIREFVPPFGIKGQDNLIKAILSVT KEYRLTPALDSLRCRRCIIVGNNGGVLANKSLGSRIDDYDIVVRLNSAPVKGF EKDVGS KTTLRITYPEGAMQRPEQYERDSL FVLAGFKWQDFKWLKYIVYKERV SASDGFWKS VATRVPKPEPEIRILNPYFIQEA AFTLIGLPLFNGLMGRGNIPTLG SVAVTMALHGCDE

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	VAVAGFGYDMSTPNAPLHYYETVRMAAIKESWTHNIQREKEFLRKLVKARVITDLSS GI
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	ST3GAL3 ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Homo sapiens]
Official Symbol	ST3GAL3
Synonyms	ST3GAL3; ST3N; MRT12; SIAT6; ST3GALII; ST3GalIII;
Gene ID	6487
mRNA Refseq	NM_006279
Protein Refseq	NP_006270
MIM	606494

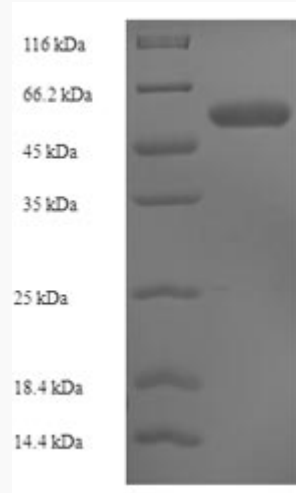
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UniProt ID

Q11203



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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