

## ST3GAL3 Protein, Human, Recombinant (His &amp; SUMO)

## General Information

Synonyms:	CMP-N-acetylneuraminic acid-6-sialyltransferase; Sialyltransferase 6; Gal beta-1,3(4) GlcNAc alpha-2,3 sialyltransferase; ST3N; SIAT6; Beta-galactoside alpha-2,3-sialyltransferase 3 (Alpha 2,3-ST 3); N-acetylglucosaminyl 2,3-sialyltransferase; 4-galactoside alpha-2; ST3GAL3; ST3Gal III (ST3GalIII); 3-sialyltransferase
Protein Construction:	29-375 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q11203
Molecular Weight:	54.9 kDa (predicted)
AA Sequence:	KLHLLQWEEDSNSVLSFDSAGQTLGSEYDRLGFLNLDLSDKLPALATKYANFSEGACKPGYASALMTAIFPRFSKPAPMFLDDSFRRKWARIREFVPPFGIKGQDNLKAILSVTKEYRLTPALDSLRCRRCIIVGNGGVLANKSLGRIDDYDIVVRLNSAPVKGFEKDVGSKTTLRITYPEGAMQRPEQYERDSLFLAGFKWQDFKWLKYIVYKERSASDGFWKSVAIRVPEKPEIRILNPYFIQEAFTLIGLPFNGLMGRGNIPTLGSVAVTMALHGCDEVAVAGFGYDMSTPNAPLHYETVRMAAIKESWTHNIQREKFLRKLVKARVITDLSSGI

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Catalyzes the formation of the NeuAc-alpha-2,3-Gal-beta-1,4-GlcNAc-, NeuAc-alpha-2,3-Gal-beta-1,3-GlcNAc- and 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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