

Recombinant Mouse St3gal6 Protein, Myc/DDK-tagged

Cat. No. St3gal6-6152M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ST3 beta-galactoside alpha-2,3-sialyltransferase 6 (St3gal6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the synthesis of sialyl-paragloboside, a precursor of sialyl-Lewis X determinant. Has a alpha-2,3-sialyltransferase activity toward Gal-beta1,4-GlcNAc structure on glycoproteins and glycolipids. Has a restricted substrate specificity, it utilizes Gal-beta1,4-GlcNAc on glycoproteins, and neolactotetraosylceramide and neolactohexaosylceramide, but not lactotetraosylceramide, lactosylceramide or asialo-GM1.
Molecular Mass	37.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [St3gal6 ST3 beta-galactoside alpha-2,3-sialyltransferase 6 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [St3gal6](#)

Synonyms ST3GAL6; ST3 beta-galactoside alpha-2,3-sialyltransferase 6; type 2 lactosamine alpha-2,3-sialyltransferase; ST3Gal VI; alpha-2,3-sialyltransferase VI; sialyltransferase 10 (alpha-2,3-sialyltransferase VI); CMP-NeuAc:beta-galactoside alpha-2,3-sialyltransferase VI; Siat10; AI930218; AW552396; St3galVI; 1700023B24Rik

Gene ID [54613](#)

mRNA Refseq [NM_018784](#)

Protein Refseq [NP_061254](#)

UniProt ID [Q8VIB3](#)

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