Recombinant Mouse St3gal1 Protein, Myc/DDK-tagged

Cat. No. St3gal1-6151M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (St3gal1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	It may be responsible for the synthesis of the sequence NeuAc-alpha-2,3-Gal-beta-1, 3-GalNAc- found on sugar chains O-linked to Thr or Ser and also as a terminal seque nce on certain gangliosides. SIAT4A and SIAT4B sialylate the same acceptor substra tes but exhibit different Km values.
Molecular Mass	39.1 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	St3gal1 ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Mus musculus (house mouse)]
Official Symbol	St3gal1
Synonyms	ST3GAL1; ST3 beta-galactoside alpha-2,3-sialyltransferase 1; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 1; ST3O; SIAT4-A; ST3Gal I; ST3GalA.1; gal-NAc6S; alpha 2,3-ST 1; ST3GAL-I sialyltransferase; Gal beta1,3 GalNAc alpha2,3 sialyltransferase; beta-galactoside alpha-2,3-sialyltransferase 1; gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase; sialyltransferase 4A (beta-galactoside alpha-2,3-sialytransferase); sialyltransferase 4A (beta-galactosidase alpha-2,3-sialytransferase); CMP-N-acetylneuraminate: [beta-galactosidase alpha-2,3] sialytransferase; Siat4; Siat4a; ST3GalI; AI467004; St3gal-1; 5330418N22Rik; MGC90735
Gene ID	20442
mRNA Refseq	NM_009177
Protein Refseq	NP_033203
UniProt ID	P54751

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