

Active Recombinant Mouse St6gal1, His tagged

Cat. No. St6gal1-7036M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse St6gal1 (NP_666045.1) extracellular domain (Lys 27-Cys 403), fused with a polyhistidine tag at the N-terminus, was produced in Human Cell.
Species	Mouse
Source	HEK293
ProteinLength	Lys 27-Cys 403
Form	Lyophilized from sterile 20mM Tris,120mM NaCl,pH7.5
Bio-activity	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetylactosamine. The specific activity is > 150 pmol/min/μg.
Molecular Mass	The recombinant mouse ST6GAL1 comprises 396 amino acids and predicts a molecular mass of 45.9 kDa. The apparent molecular mass of mouse ST6GAL1 is approximately 50-55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [St6gal1 beta galactoside alpha 2,6 sialyltransferase 1 \[Mus musculus \]](#)

Official Symbol [St6gal1](#)

Synonyms ST6GAL1; beta galactoside alpha 2,6 sialyltransferase 1; beta-galactoside alpha-2,6-sialyltransferase 1; ST6Gal I; alpha 2,6-ST 1; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1; Siat1; St6gal; St6gall; AW742324; St6Gal-I; MGC116663;

Gene ID [20440](#)

mRNA Refseq [NM_001252505](#)

Protein Refseq [NP_001239434](#)

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