

Active Recombinant Human ST3GAL2 Protein, His-tagged

Cat. No. ST3GAL2-576H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ST3GAL2 (Accession # NP_008858) Pro52-Gln350, fused with an N-terminal CD33 signal and a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Pro52-Gln350
Predicted N Terminal	Gly56
Form	Supplied as a 0.2 μ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to bovine B1-3 galactosyl-N-acetyl galactosamine. The specific activity is >250 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human ST3GAL2, His-tagged has a calculated MW of 35 kDa. In SDS-PAGE migrates as 30-40 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 100 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [ST3GAL2 ST3 beta-galactoside alpha-2,3-sialyltransferase 2 \[Homo sapiens \]](#)

Official Symbol ST3GAL2

Synonyms

ST3GAL2; ST3 beta-galactoside alpha-2,3-sialyltransferase 2; sialyltransferase 4B (beta galactosidase alpha 2,3 sialyltransferase) , SIAT4B; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 2; ST3GalA.2; ST3GALII; SIAT4-B; ST3Gal II; alpha 2,3-ST 2; beta-galactoside alpha-2,3-sialyltransferase; beta-galactoside alpha-2,3-sialyltransferase 2; Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase; sialyltransferase 4B (beta-galactosidase alpha-2,3-sialyltransferase); SIAT4B; Gal-NAc6S;

Gene ID [6483](#)

mRNA Refseq [NM_006927](#)

Protein Refseq [NP_008858](#)

MIM [607188](#)

UniProt ID Q16842

Chromosome 16q22.3

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