

# Recombinant Human ST3GAL3 protein, His-tagged

**Cat. No.** ST3GAL3-6574H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ST3GAL3 protein(203-375 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 203-375 aa                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | TTLRITYPEGAMQRPEQYERDSLFLAGFKWQDFKWLKYIVYKERSASDGFWKSV<br>ATRVPKPEPEIRILNPYFIQEAAFTLIGLPFNGLMGRGNIPTLGSAVVTMALHGCDEV<br>AVAGFGYDMSTPNAPLHYETVRMAAIKESWTHNIQREKEFLRKLVKARVITDLSSGI                                                                                                                                                                                            |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                                                                                                                      |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

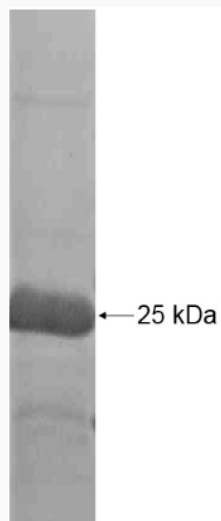
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ST3GAL3 ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | ST3GAL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | ST3GAL3; ST3 beta-galactoside alpha-2,3-sialyltransferase 3; sialyltransferase 6 (N acetyllosaminide alpha 2,3 sialyltransferase) , SIAT6; CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase; ST3Gal III; alpha 2,3-ST 3; alpha-2,3-sialyltransferase II; alpha 2,3-sialyltransferase III; Gal beta-1,3(4)GlcNAc alpha-2,3 sialyltransferase; sialyltransferase 6 (N-acetyllosaminide alpha 2,3-sialyltransferase); ST3N; MRT12; SIAT6; ST3GALII; ST3GalIII; |
| <b>Gene ID</b>         | 6487                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_006279                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_006270                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | 606494                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | Q11203                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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SDS-PAGE



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