

## Recombinant Human ST3GAL2 cell lysate

Cat. No. ST3GAL2-1702HCL Lot. No. (See product label)

### SPECIFICATION

|                       |  |
|-----------------------|--|
| <b>Species</b>        | Human  |
| <b>Description</b>    | The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4A. |
| <b>Size</b>           | 100 ul   |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)  |
| <b>Applications</b>   | Western Blot;  |

### GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | ST3GAL2 ST3 beta-galactoside alpha-2,3-sialyltransferase 2 [ Homo sapiens ]  |
| <b>Official Symbol</b> | ST3GAL2  |
| <b>Synonyms</b>        | ST3GAL2; ST3 beta-galactoside alpha-2,3-sialyltransferase 2; sialyltransferase 4B (beta galactosidase alpha 2,3 sialyltransferase) , SIAT4B; CMP-N-acetylneuraminat-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- |

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|                            |   |
|----------------------------|---|
|                            | 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;   |
| <b>Gene ID</b>             | 6483  |
| <b>mRNA Refseq</b>         | NM_006927   |
| <b>Protein Refseq</b>      | NP_008858   |
| <b>MIM</b>                 | 607188  |
| <b>UniProt ID</b>          | Q16842  |
| <b>Chromosome Location</b> | 16q22.3   |
| <b>Pathway</b>             | Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem;<br>Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;<br>Glycosphingolipid biosynthesis - ganglio series, organism-specific biosystem;<br>Glycosphingolipid biosynthesis - ganglio series, conserved biosystem;<br>Glycosphingolipid biosynthesis - globo series, organism-specific biosystem;<br>Glycosphingolipid biosynthesis - globo series, conserved biosystem; Metabolic pathways, organism-specific biosystem; |
| <b>Function</b>            | beta-galactoside (CMP) alpha-2,3-sialyltransferase activity;  |

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