

# Active Recombinant Human ST3GAL4 Protein (AA 34-329), N-6xHis/GFP tagged

Cat. No. ST3GAL4-13H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ST3GAL4 Protein (AA 34-329) with N-6xHis/GFP tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	AA 34-329
<b>Description</b>	This gene encodes a member of the glycosyltransferase 29 family, a group of enzymes involved in protein glycosylation. The encoded protein is targeted to Golgi membranes but may be proteolytically processed and secreted. The gene product may also be involved in the increased expression of sialyl Lewis X antigen seen in inflammatory responses. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Bio-activity</b>	≥0.23 μmol/min/mg
<b>Molecular Mass</b>	~60-70 kDa
<b>AA Sequence</b>	EKKEPCLQGEAESKASKLFGNYSRDQPIFLRLEDYFWVKTPSAELPYGTKGSEDLLL RVLAITSSSIPKNIQSLRRCRCVVVGNHRLRNSSLGDAINKYDVVIRLNNAPVAGYE GDVGSKTTMRLFYPESAHFDPKVENNPDTLLVLFVAFKAMDFHWIETILSDKKRVRKG FWKQPPLIWDVNPQKIRILNPPFFMEIAADKLLSLPMQQPRKIKQKPTTGLLAITLALHL

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	CDLVHIAGFGYPDAYNKKQTIHYEQITLKS MAGSGHNVSQEALAIKRMLEMGAIKNL TSF
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.
<b>Stability</b>	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.
<b>Preservative</b>	0.05 % NaN <sub>3</sub>
<b>Shipping</b>	This product is shipped as 0.2µm filtered product on dry ice.

## GENE INFORMATION

<b>Gene Name</b>	ST3GAL4 ST3 beta-galactoside alpha-2,3-sialyltransferase 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ST3GAL4
<b>Synonyms</b>	ST3GAL4; ST3 beta-galactoside alpha-2,3-sialyltransferase 4; CGS23, NANTA3, sialyltransferase 4C (beta galactosidase alpha 2,3 sialyltransferase) , SIAT4, SIAT4C; CMP-N-acetylneuraminase-beta-galactosamide-alpha-2,3-sialyltransferase 4; FLJ11867; SAT3; ST3Gal IV; STZ; ST-4; SAT-3; SIAT4-C; ST3GalA.2; gal-NAc6S; alpha 2,3-ST 4; alpha 2,3-sialyltransferase IV; alpha-3-N-acetylneuraminyltransferase; beta-galactoside alpha-2,3-sialyltransferase 4; gal-beta-1,4-GalNAc-alpha-2,3-sialyltransferase; sialyltransferase 4C (beta-galactoside alpha-

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2,3-sialyltransferase); sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase); CGS23; SIAT4; NANTA3; SIAT4C; ST3GalIV; FLJ46764;

**Gene ID** 6484

**mRNA Refseq** NM\_006278

**Protein Refseq** NP\_006269

**MIM** 104240

**UniProt ID** Q11206

**SDS-PAGE**



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