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

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

SPECIFICATION

Product Overview	Recombinant Human ST3GAL4 Protein (AA 34-329) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 34-329
Description	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.
Bio-activity	≥0.23 μmol/min/mg
Molecular Mass	~60-70 kDa
AA Sequence	EKKEPCLQGEAESKASKLFGNYSRDQPIFLRLEDYFWVKTPSAELPYGTKGSEDLLL RVLAITSSSIPKNIQSLRCRRCVVVGNGHRLRNSSLGDAINKYDVVIRLNNAPVAGYE GDVGSKTTMRLFYPESAHFDPKVENNPDTLLVLVAFKAMDFHWIETILSDKKRVRKG FWKQPPLIWDVNPKQIRILNPFFMEIAADKLLSLPMQQPRKIKQKPTTGLLAITLALHL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	CDLVHIAGFGYPDAYNKKQTIHYYEQITLKSMAGSGHNVSQEALAIKRMLEMGAIKNL TSF
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.
Stability	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
Concentration	1 mg/mL
Storage Buffer	Supplied as a 0.2 μm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.
Preservative	0.05 % NaN3
Shipping	This product is shipped as 0.2μm filtered product on dry ice.

GENE INFORMATION

Gene Name	ST3GAL4 ST3 beta-galactoside alpha-2,3-sialyltransferase 4 [Homo sapiens (human)]
Official Symbol	ST3GAL4
Synonyms	ST3GAL4; ST3 beta-galactoside alpha-2,3-sialyltransferase 4; CGS23, NANTA3, sialyltransferase 4C (beta galactosidase alpha 2,3 sialytransferase) , SIAT4, SIAT4C; CMP-N-acetylneuraminate-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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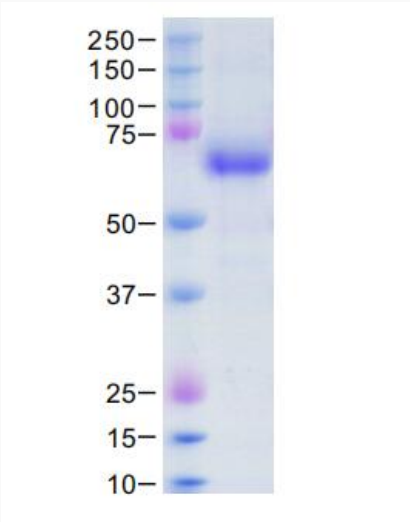
	2,3-sialytransferase); sialyltransferase 4C (beta-galactosidase alpha-2,3-sialytransferase); CGS23; SIAT4; NANTA3; SIAT4C; ST3GalIV; FLJ46764;
Gene ID	6484
mRNA Refseq	NM_006278
Protein Refseq	NP_006269
MIM	104240
UniProt ID	Q11206
SDS-PAGE	

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