

Active Recombinant Human ST6GALNAC2 Protein (AA 68-374), N-6×His/GFP tagged

Cat. No. ST6GALNAC2-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ST6GALNAC2 Protein (AA 68-374) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 68-374
Description	ST6GALNAC2 belongs to a family of sialyltransferases that add sialic acids to the nonreducing ends of glycoconjugates. At the cell surface, these modifications have roles in cell-cell and cell-substrate interactions, bacterial adhesion, and protein targeting (Samyn-Petit et al., 2000 [PubMed 10742600]).
Bio-activity	≥0.084 μmol/min/mg
Molecular Mass	~65-70 kDa
AA Sequence	SWTGKGQACRHLLHLAIQRHPHFRGLFNLSIPVLLWGD LFTPALWDRLSQHKAPYG WRGLSHQVIAS TSL L N G S E S A K L F A P P R D T P P K C I R C A V V G N G G I L N G S R Q G P N I D A H D Y V F R L N G A V I K G F E R D V G T K T S F Y G F T V N T M K N S L V S Y W N L G F T S V P Q G Q D L Q Y I F I P S D I R D Y V M L R S A I L G V P V P E G L D K G D R P H A Y F G P E A S A S K F K L L H P D F I S Y L T E R F L K S K L I N T H F G D L Y M P S T G A L M L L T A L H T C D Q V S A Y G F I T S N Y W K F S D H Y F E R K M K P L I F Y A N H D L S L E A A L W R D L H K A G I L Q L Y Q R

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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 % NaN ₃
Shipping	This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name	ST6GALNAC2 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 2 [Homo sapiens (human)]
Official Symbol	ST6GALNAC2
Synonyms	ST6GALNAC2; ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 2; sialyltransferase 7 ((alpha N acetylneuraminy 2,3 beta galactosyl 1,3) N acetyl galactosaminide alpha 2,6 sialyltransferase) , sialyltransferase like 1 , SIAT7, SIAT7B, SIATL1; alpha-N-acetylglactosaminide alpha-2,6-sialyltransferase 2; ST6GalNAcII; STHM; SIAT7-B; ST6GalNAcII; ST6GalNAc II; sialyltransferase 7B; sialyltransferase-like 1; galNAc alpha-2,6-sialyltransferase II; (alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide B; sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide B; (alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase; sialyltransferase

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7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) B; SIAT7; SAITL1; SIAT7B; SIATL1; FLJ45660;

Gene ID 10610

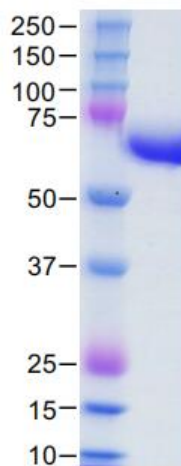
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Protein Refseq NP_006447

MIM 610137

UniProt ID Q9UJ37

SDS-PAGE



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