

ST6GALNAC2 Protein, Mouse (HEK293, His)

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| Cat. No.: | HY-P71333 |
| Synonyms: | Gal-beta-1,3-GalNAc alpha-2,6-sialyltransferase, GalNAc alpha-2,6-sialyltransferase II, ST6GalNAc II, Sialyltransferase 7B, SIAT7-B |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | P70277 (S28-R373) |
| Gene ID: | 20446 |
| Molecular Weight: | Approximately 45.0 kDa |

PROPERTIES

AA Sequence

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| S A G Q Q S P E T Q | V P A R N M A Y P R | A F F D P K P P N S | E N R K S R L C Q H |
| S L S L A I Q K D R | R F R S L F D L S T | P V L L W E G L F T | Q E L W N N L S Q H |
| K V P Y G W Q G L S | H E V I A S T L R L | L K S P E S G E L F | G A P R K L P L S C |
| I R C A V V G N G G | I L N G S R Q G Q K | I D A H D Y V F R L | N G A I T E G F E R |
| D V G T K T S F Y G | F T V N T M K N S L | I S Y A K L G F T S | V P Q G Q N L R Y I |
| F I P S S I R D Y L | M L R S A I L G V P | V P E G P D K G D R | P H T Y F G P E T 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 R F G | D M 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 N | N Y Q K Y S D H Y F | E R E K K P L I F Y |
| A N H D L S L E A S | L W R D L H N A G I | L W L Y Q R | |

Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance

Solution.

Formulation

Supplied as a 0.2 µm filtered solution of 50 mM Tris, 150 mM NaCl, pH 7.5.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

N/A

Storage & Stability

Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION

Background

The ST6GALNAC2 protein catalyzes the transfer of N-acetylneuraminyl groups onto glycan chains in glycoproteins, with a preference for N-acetylgalactosamine (GalNAc) residues that have been modified by the addition of galactose or galactose

followed by sialic acid in an alpha-2,3 linkage.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA