

Product datasheet for **RC223765**

ST6GALNAC4 (NM_175040) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST6GALNAC4 (NM_175040) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ST6GALNAC4
Synonyms: IV; SIAT3-C; SIAT3C; SIAT7-D; SIAT7D; ST6GalNAc; ST6GALNACIV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC223765 representing NM_175040
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCTCAGGCCTGGGTGCTGAGATCGACAGTGCCGAGTGCGTGTTCGCGATGAACCAGGCGCCCA
CCGTGGGCTTTGAGGCGGATGTGGGCCAGCGCAGCACCCCTGCGTGTGCTCTCACACACAAGCGTGCCGCT
GCTGCTGCGCAACTATTCACACTACTTCCAGAAGGCCCGAGACACGCTCTACATGGTGTGGGGCCAGGGC
AGGCACATGGACCGGTGCTCGGCGCCGCACCTACCGCAGCTGCTGCAGCTCACCAGGATGTACCCCG
GCCTGCAGGTGTACACCTTCACGGAGCGCATGATGGCCTACTGCGACCAGATCTCCAGGACGAGACGGG
CAAGAACCGGAGGAGTCCGGCTCCTTCCTCAGCACCGGCTGGTTACCATGATCCTCGCGCTGGAGCTG
TGTGAGGAGATCGTGGTCTATGGGATGGTCAGCGACAGCTACTGCAGGGAGAAGGCCACCCCTCAGTGC
CTTACCACTACTTTGAGAAGGGCCGGCTAGATGAGTGTGAGATGTACCTGGCACACGAGCAGGCGCCCGC
AAGCGCCACCGCTTCATCACTGAGAAGGCGGTCTTCTCCCGCTGGGCCAAGAAGAGGCCCATCGTGTTCC
GCCATCCGTCCTGGAGGACTGAG

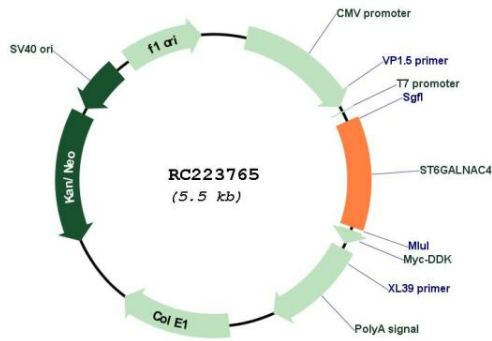
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



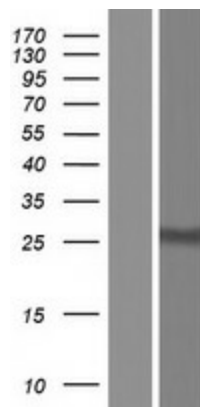
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|-------------------------------|---|
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | NM_175040.3 , NP_778205.1 |
| RefSeq Size: | 1575 bp |
| RefSeq ORF: | 657 bp |
| Locus ID: | 27090 |
| UniProt ID: | Q9H4F1 |
| Cytogenetics: | 9q34.11 |
| Protein Families: | Transmembrane |
| Protein Pathways: | Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways |
| MW: | 25.2 kDa |
| Gene Summary: | <p>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 prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> |

Product images:



Circular map for RC223765



Western blot validation of overexpression lysate (Cat# [LY406374]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223765 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).