

Product datasheet for **RC208061**

CDw75 (ST6GAL1) (NM_003032) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDw75 (ST6GAL1) (NM_003032) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDw75
Synonyms:	SIAT1; ST6Gall; ST6N
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208061 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTACACCAACCTGAAGAAAAAGTTCAGCTGCTGCGTCCTGGTCTTTCTTCTGTTTGCAGTCATCT
GTGTGTGGAAGGAAAAGAAGAAAGGGAGTTACTATGATTCCTTTAAATTGCAAACCAAGGAATCCAGGT
GTTAAAGAGTCTGGGAAATTGGCCATGGGGTCTGATCCAGTCTGTATCCTCAAGCAGCACCCAGGAC
CCCCACAGGGGCCGACACCCCTCGGCAGTCTCAGAGGCCAGCCAAGGCCAAACAGAGGCCTCCTTCC
AGGTGTGGAACAAGGACAGCTCTCCAAAAACCTTATCCCTAGGCTGCAAAGATCTGGAAGAATTACCT
AAGCATGAACAAGTACAAAGTGTCTACAAGGGGCCAGGACCAGGCATCAAGTTCAGTGCAGAGGCCCTG
CGCTGCCACCTCCGGGACCATGTGAATGTATCCATGGTAGAGGTCACAGATTTTCCCTTCAATACCTCTG
AATGGGAGGGTTATCTGCCCAAGGAGAGCATTAGGACCAAGGCTGGGCTTGGGGCAGGTGTGCTGTTGT
GTCGTCAGCGGGATCTCTGAAGTCTCCCAACTAGGCAGAGAAAATCGATGATCATGACGCAGTCTGAGG
TTAATGGGGCACCCACAGCCAACCTCCAACAAGATGTGGGCACAAAACTACCATTGCGCTGATGAACT
CTCAGTTGGTTACCACAGAGAAGCGCTTCTCAAAGACAGTTTGTACAATGAAGGAATCCTAATTGTATG
GGACCCATCTGTATACCACTCAGATATCCCAAAGTGGTACCAGAATCCGGATTATAATTTCTTTAAACAAC
TACAAGACTTATCGTAAGCTGCACCCCAATCAGCCCTTTTACATCCTCAAGCCCCAGATGCCTTGGGAGC
TATGGGACATTCTTCAAGAAATCTCCCCAGAAGAGATTACGCCAAACCCCATCCTCTGGGATGCTTGG
TATCATCATGATGACGCTGTGTGACCAGGTGGATATTTATGAGTTCTCCATCCAAGCGCAAGACT
GACGTGTGCTACTACTACCAGAAGTTCTTCGATAGTGCCTGCACGATGGGTGCCTACCACCCGCTGCTCT
ATGAGAAGAATTTGGTGAAGCATCTCAACCAGGGCACAGATGAGGACATCTACCTGCTTGGAAAAGCCAC
ACTGCCTGGCTTCCGGACCATTCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_003032.3](#)

RefSeq Size: 4295 bp

RefSeq ORF: 1221 bp

Locus ID: 6480

UniProt ID: [P15907](#)

Cytogenetics: 3q27.3

Domains: Glyco_transf_29

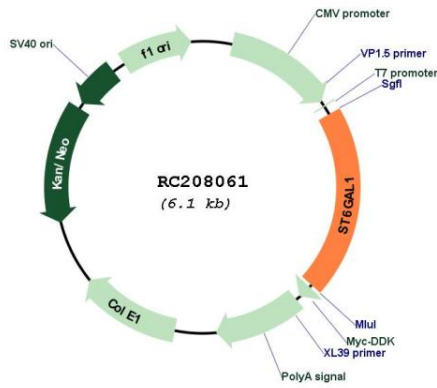
Protein Families: Secreted Protein

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

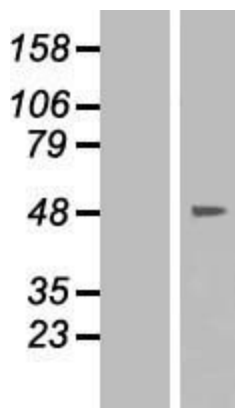
MW: 46.6 kDa

Gene Summary: This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]

Product images:



Circular map for RC208061



Western blot validation of overexpression lysate (Cat# [LY418930]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208061 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).