

Product datasheet for **RG222914**

CD57 (B3GAT1) (NM_018644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD57 (B3GAT1) (NM_018644) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD57
Synonyms:	CD57; GLCATP; GLCUATP; HNK1; LEU7; NK-1; NK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222914 representing NM_018644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGAAGAGACGGGACATCCTAGCGATCGTCTCATCGTGCTGCCCTGGACTCTGCTCATCACTGTCT
GGCACCAGAGCACCCCTCGCACCCCTGCTCGCGGTACATAAGGATGAGGGCAGTGACCCCCGACGCGAAAC
GCCGCCCGGCCGACCCAGGGAGTACTGCACGTCTGACCGGACATCGTGGAGGTGGTGGCACCAG
TACGTGTACACGCGGCCCGCCATGGTCCGACACGCTGCCACCATCCACGTGGTACGCCACCTACA
GCCGCCCGGTGCAGAAGGCCGAGCTGACGCGCATGGCCAAACGCTGCTGCACGTGCCAACCTCCACTG
GCTGGTGGTGGAGGATGCGCCGCGCCGACGCCGCTGACCGCGCGCTGCTGCGCGACACCGGCCTCAAC
TACACGCACCTGCACGTGGAGACGCCCGCAACTACAAGCTGCGCGGAGACGCCCGGACCCACGCATCC
CGCGGGGACCATGCAGCGCAACTGGCCCTGCGCTGGTGGCGGAGACCTTCCCGCGCAACTCCAGCCA
GCCTGGCGTGGTCTACTTCGCCGACGACGACAACCTACAGCCTGGAGCTCTTGAAGAGATGCGCAGC
ACCAGGAGGGTGTCCGTGGCCCGTCCGCTTCGTGGGTGGCCTGCGGTACGAGGCCACCGGTGAACG
GGGCAGGAAGGTGGTGGCTGGAAGACGGTGTGGACCCACCGGCCATTTGAATAGACATGGCTGG
ATTTGCCGTCAACCTGCGGCTCATTCTGCAGCGAAGCCAGGCCTACTTCAAGCTGCGAGGTGTGAAGGGA
GGCTACCAGGAAAGCAGCCTCCTTCGAGAACTTGCACCCTCAACGACCTGGAGCCCAAGGCAGCCA
GCACCAAGATCCTGGTGTGGCACACGACAGAGAAGCCAGTGGTGAATGAGGGCAAGAAGGGCTT
CACTGACCCCTCGGTGGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_018644.3](#)

RefSeq Size: 3546 bp

RefSeq ORF: 1005 bp

Locus ID: 27087

UniProt ID: [Q9P2W7](#)

Cytogenetics: 11q25

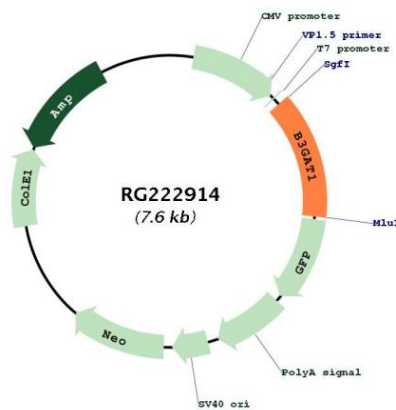
Domains: Glyco_transf_43

Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways

Gene Summary: The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG222914