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Product datasheet for SC317997

GALNT12 (NM_024642) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT12 (NM_024642) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT12
Synonyms:	CRCS1; GalNAc-T12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_024642 edited
ATGTGGGGGCGCACGGCGCGGCGGCGCTGCCCGCGGGAACTGCGGCGCGGCCGGGAGGCG
CTGTTGGTGCTCCTGGCGCTACTGGCGTTGGCCGGGCTGGGCTCGGTGCTGCGGGCGCAG
CGTGGGGCCGGGGCCGGGGCTGCCGAGCCGGGACCCCCGCGCACCCCGCGCCCCGGGCGG
CGCGAGCCGGTCATGCCGCGGCCGCCGGTGCCGGCGAACGCGCTGGGCGCGCGGGGCGAG
GCGGTGCGGCTGCAGCTGCAGGGCGAGGAGCTGCGGCTGCAGGAGGAGAGCGTGCGGCTG
CACCAGATTAACATCTACCTCAGCGACCGCATCTCACTGCACCGCCGCCTGCCCGAGCGC
TGGAACCCGCTGTGCAAAGAGAAAAAATATGATTATGATAATTTGCCCAGGACATCTGTT
ATCATAGCATTTTATAATGAAGCCTGGTCAACTCTCCTTCGGACAGTTTACAGTGTCCTT
GAGACATCCCCGGATATCCTGCTAGAAGAAGTGATCCTTGTAGATGACTACAGTGATAGA
GAGCACCTGAAGGAGCGCTTGGCCAATGAGCTTTCGGGACTGCCCAAGGTGCGCCTGATC
CGCGCCAACAAGAGAGAGGGCCTGGTGCGAGCCCGGCTGCTGGGGGCGTCTGCGGCGAGG
GGCGATGTTCTGACCTTCCTGGACTGTCACTGTGAGTGCCACGAAGGGTGGCTGGAGCCG
CTGCTGCAGAGGATCCATGAAGAGGAGTCGGCAGTGGTGTGCCCGGTGATTGATGTGATC
GACTGGAACACCTTCGAATACCTGGGGAACTCCGGGGAGCCCCAGATCGGCGGTTTCGAC
TGGAGGCTGGTGTTCACGTGGCACACAGTTCCTGAGAGGGAGAGGATACGGATGCAATCC
CCCGTCGATGTCATCAGGTCTCCAACAATGGCTGGTGGGCTGTTTGCTGTGAGTAAGAAA
TATTTTGAATATCTGGGGTCTTATGATACAGGAATGGAAGTTTGGGGAGGAGAAAACCTC
GAATTTTCCTTTAGGATCTGGCAGTGTGGTGGGGTTCTGGAAACACACCCATGTTCCCAT
GTTGGCCATGTTTTCCCCAAGCAAGCTCCCTACTCCCGCAACAAGGCTCTGGCCAACAGT
GTTCGTGCAGCTGAAGTATGGATGGATGAATTTAAAGAGCTCTACTACCATCGCAACCCC
CGTGCCCGCTTGGAACCTTTTGGGGATGTGACAGAGAGGAAGCAGCTCCGGGACAAGCTC
CAGTGTAAAGACTTCAAGTGGTTCTTGGAGACTGTGTATCCAGAACTGCATGTGCCTGAG
GACAGGCCTGGCTTCTTCGGGATGCTCCAGAACAAAGGACTAACAGACTACTGCTTTGAC
TATAACCCTCCCGATGAAAACCAGATTGTGGGACACCAGGTCATTCTGTACCTCTGTCAT
GGGATGGGCCAGAATCAGTTTTTCGAGTACACGTCCCAGAAAGAAATACGCTATAACACC
CACCAGCCTGAGGGCTGCATTGCTGTGGAAGCAGGAATGGATACCCTTATCATGCATCTC
TGCGAAGAAACTGCCCCAGAGAATCAGAAGTTCATCTTGCAGGAGGATGGATCTTTATTT
CACGAACAGTCCAAGAAATGTGTCCAGGCTGCGAGGAAGGAGTCGAGTGACAGTTTCGTT
CCACTCTTACGAGACTGCACCAACTCGGATCATCAGAAATGGTTCTTCAAAGAGCGCATG
TTATGA
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Restriction Sites: Please inquire

ACCN: NM_024642

Insert Size: 1700 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_024642.3, NP_078918.3
RefSeq Size:	2770 bp
RefSeq ORF:	1746 bp
Locus ID:	79695
UniProt ID:	Q8IXK2
Cytogenetics:	9q22.33
Domains:	RICIN, Glycos_transf_2
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis
Gene Summary:	This gene encodes a member of a family of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferases, which catalyze the transfer of N-acetylgalactosamine (GalNAc) from UDP-GalNAc to a serine or threonine residue on a polypeptide acceptor in the initial step of O-linked protein glycosylation. Mutations in this gene are associated with an increased susceptibility to colorectal cancer.[provided by RefSeq, Mar 2011]