

Product datasheet for **SC123223**

GALNTL5 (NM_145292) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNTL5 (NM_145292) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNTL5
Synonyms:	GalNAc-T5L; GALNACT19; GALNT15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145292 edited
 ACTGTGTGGCCCCGCAACCCAGCACAAACCAGGTATCTGCTTGGAAACCCAGCCACCATAAA
 GCCTGCTAGCTAAAAAATTTTACATCTCTCAGTTTCATTGCGCACAGACCCCTGCCTCA
 TTCAGCTGTGACTCTGCTTGAAAAATTCATCAGTTACAAAGCAGCCAATGCAATTATCTC
 AAGGGAAATTGAAAAATGGACCTTTGAAAAATGCTAGATTTACAATGAGAAATGCCATAAT
 TCAAGGTTTATTCTATGGGTCCTTGACATTTGGGATCTGGACAGCTCTGTTATTCATATA
 TTTGCACATAATCATGTGAGCAGCTGGCAGAAGAAAAGCCAGGAGCCTCTGTCAGCTTG
 GTCCCTGGAAAAAAGTGCATCAGCAAATTATCTATGGCTCAGAGCAAATACCAAACCC
 TCATGTAATAGTCAAAGGACTGATGAAGATAAAGCAAAGTCTATGTTAGGTACAGATTT
 TAACCATACAAACCCAGAACTTCATAAAGAACTTTTAAAAATATGGATTTAATGTGATTAT
 CAGTAGAAGCTTGGGCATCGAAAGAGAAGTGCCAGATACCAGGAGTAAAAATGCGTCTTCA
 AAAACATTACCCAGCCCGCTCCCGACTGCCAGCATTGTCATTTGCTTCTATAATGAAGA
 ATGTAATGCCTTGTTCAGACCATGTCCAGTGTACGAACCTCACGCCACACTATTTTCT
 TGAAGAAATTTTGGTAGATGACATGAGCAAAGTTGATGATTTGAAAGAAAAACTAGA
 CTATCACCTGGAACTTTTCGGGAAAGGTTAAAATAATAAGAAACAAAAAGAGAGAGGG
 GCTGATTCGAGCAAGGCTGATTGGAGCTTCTCATGCTTACGGGGATGTTCTGGTGTCTCT
 GGACAGCCACTGTGAGGTGAACAGAGTATGGCTGGAGCCCTGCTGCATGCCATTGCCAA
 GGACCCAAAAATGGTGGTGTGCCCTGATAGATGTGATTGATGATAGAATCTGGAGTA
 TAAGCCCTCTCCTCTTGAAGGGAACTTTTGAATGGAACCTACAATTTAAATGGGATAA
 TGTCTTCTTATGAGATGGATGGACCAGAAGGATCTACTAAACCAATCCGGTCACTGC
 AATGTCTGGAGGAATTTTGGCTATACGTCGGCATTATTTTAAATGAAATGGACAGTATGA
 CAAGGATATGGATTTTGGGGAAGAGAAAAATTTGGAACCTTCACTAAGGATCTGGATGTG
 TGGAGGCCAATCTTTTAAATCCCTGCTCTCGAGTAGGACATATCAGTAAGAAACAAAC
 TGGAAAAACCTTCTACAATCATCAGTGCTATGACACATAACTACCTAAGACTGGTGACGT
 TTGGCTGGATGAATATAAGGAGCAGTTTTTTCTCGAAAGCCTGGTCTGAAATATGTCAC
 CTACGGAAATATTCGCGAGCGTGTGAGTTAAGGAAACGACTGGGTTGCAAGTCATTTCA
 GTGGTATTTGGATAATGTCTTCCAGAGTTGGAGGCATCTGTGAACAGCCTGTGAAAGGA
 AAACAAATCACTTTCATTAATAAAGGGTAAAAGTCTCCTAGTCATTCAACATAGTGCA
 CAAGAGTGAAGTTTGGAAACATCGTGAATTACGTGAAATGCAATTAATAAATATGACC
 AAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_145292 unedited
 NNGGTCGGGATTTGTATACGACTCATATAGGCGGCCGCATAAATTCTGATAGCATACATT
 ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGACTGTG
 TGGCCCGCAACCCAGCACAAACCAGGTATCTGCTTGGAAACCCAGCCACCATAAAGCCTGC
 TAGCTAAAAAATTTTACATCTCTCAGTTTCATTGCGCACAGACCCCTGCCTCATTACAG
 TGTGACTCTGCTTGAAAAATTCATCAGTTACAAAGCAGCCAATGCAATTATCTCAAGGGA
 AATTGAAAAATGGACCTTTGAAAAATGCTAGATTTACAATGAGAAATGCCATAATTC AAGG
 TTTATTCTATGGGTCCTTGACATTTGGGATCTGGACAGCTCTGTTATTCATATATTTGCA
 CCATAATCATGTGAGCAGCTGGCAGAAGAAAAGCCAGGAGCCTCTGTCAGCTTGGTCCCC
 TGGAAAAAAGTGCATCAGCAAATTATCTATGGCTCAGAGCAAATACCAAACCTCATGT
 AATAGTCAAAAGGACTGATGAAGATAAAGCAAAGTCTATGTTAGGTACAGATTTTAAACCA
 TACAAACCCAGAATTCATAAAGAATTTTAAAAATATGGATTTAATGTGATTATCAGTAG
 AAGCTTGGGCATCGAAAGAGAAGTGCCAGATACCAGGAGTAAAAATGCGTCTTCAAAAACA
 TTACCCAGCCCGCTCCCGACTGCCAGCATTGTCATTTGCTTCTATAATGAAGAAATGTA
 TGCTTGTTCAGACCATGTCCAGTGTACGAACCTCACGCCACACTATTTTCTTTGAGA
 AAATATNTTGGTAGATGACATGAGCCAAGTTTGTGATTGAAAGNANAACCTAGACTATCA
 CCTGGAACCTTTTCGGGG

Restriction Sites: Please inquire
ACCN: NM_145292

Insert Size:	1701 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).
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:	<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:	<u>NM_145292.2</u> , <u>NP_660335.1</u>
RefSeq Size:	1696 bp
RefSeq ORF:	1332 bp
Locus ID:	168391
UniProt ID:	<u>Q7Z4T8</u>
Cytogenetics:	7q36.1
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis
Gene Summary:	Probable inactive glycosyltransferase required during spermatid development. May participate in protein loading into the acrosomes and accumulation of ubiquitin-proteasome systems around the head-tail coupling apparatus region.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.