

Product datasheet for **SC114435**

GOLT1B (NM_016072) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLT1B (NM_016072) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLT1B
Synonyms:	CGI-141; GCT2; GOT1; GOT1B; YMR292W
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114435 sequence for NM_016072 edited (data generated by NextGen Sequencing) ATGATCTCCTTAACGGACACGCAGAAAATTGGAATGGGATTAACAGGATTGGAGTGTTT TTCCTGTTCTTTGGAATGATTCTCTTTTTGACAAAGCACTACTGGCTATTGGAATGTT TTATTTGTAGCCGGCTTGGCTTTTGTAAATTGGTTAGAAAGAACATTCAGATTCTTCTTC CAAAAACATAAAATGAAAGCTACAGTTTTTTTCTGGGTGGTGTATTGTAGTCCTTATT GGTTGGCCTTTGATAGGCATGATCTTCGAAATTTATGGATTTTTTCTCTTGTTTCAGGGGC TTCTTTCTGTCGTTGTTGGCTTTATTAGAAGAGTGCCAGTCCTTGGATCCCTCCTAAAT TTACCTGGAATTAGATCATTTGTAGATAAAGTTGGAGAAAGCAACAATATGGTATAA Clone variation with respect to NM_016072.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016072 unedited TGTAATACGACTCTCTATAGGGCGGCCGAATTCGGCACGAGGTCTCGCCTGGGCTGTT TCCCGGCTTCATTTCTCCGACTCAGCTTCCCACCCTGGGCTTCCGAGGTGCTTTCGCC GCTGTCCCACTGACGCCATGATCTCCTTAACGGACACGCAGAAAATTGGAATGGGA TTAACAGGATTTGGAGTGTCTTTCTGTTCTTTGGAATGATTCTCTTTTTTGACAAAGCA CTACTGGCTATTGAAATGTTTTATTTGTAGCCGGCTTGGCTTTTGAATTGGTTTAGAA AGAACATTGAGATTCTTCTTCCAAAAACATAAAATGAAAGCTACAGGTTTTTTCTGGGT GGTGATTTGTAGTCCTTATTGGTTGGCCTTTGATAGGCATGATCTTCGAAATTTATGGA TTTTTCTCTTGTTCAGGGGCTTCTTCTGTCGTTGTTGGCTTTATTAGAAGAGTGCCA GTCCTTGGATCCCTCCTAAATTTACCTGGAATTAGATCATTTGTAGATAAAGTTGGAGAA AGCAACAATATGGTATAACAACAAGTGAATTTGAAGACTCATTTAAATATTGTGTATT TATAAAGTCATTTGAAGAATATTCAGCACAAAATTAATACATGAAATAGCTTGAATG TTCTTTACAGGAGTTTAAACGTATAGCCTACANAGTACCAGCAGCANATTAGCANAGAA GCAGTGAAAACAGGCTTCTNACTCAGTGAAGTAAAGAAAGTCAGCCAGCAAACTGAGAG AGTGAAATCCATGNNATGATGCTTAAGAACTCTTGAGGCTATTNNNGTGTGTTTTTCA CAATGTGCGAAACTCAGNCTTCCTTANAGAACTGTGG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016072 unedited AGAGTCGAGTTTTTTTTTTTTTTTTTAAATAGAAAAGTACCTTTTATTGAGAGGTAAGA CAAGTATATTTACAATATTCAATTGTTAGATAATATAATCTGACAGTGGGACTTTTTAAA GCAGCAGTATTTAGGAATTACAATTTATAAGGGGAAAAGAAAAACATTCCAAATATGTT TCTGTTACAGAAAATACACTTGAACAATGACAGAAACACTTAAGGCTATGTAGTATTAGA CCTTTTCTCCATCTCTATAAAGTACATTTTGTACAGACAGAAGGCTGATTTTGGAAA GAAAGAAACAATAGGATGTATAGTGCTTTCTATCAGCAGACTAGTATGTTTAAAAATAGT CTCATCAAGGGTCTGAATAAGAAATATAAATGTTGCCAGGCAGTCCCAACTCACATTT GATATTAAGTGCAGACTCATTTAAACTGAAAAGTGTCTCAGCCTCTCTCAATCTTTACT AAGGACTGGGAGATTATCAACCTTTCAAGTCTAATAATGCTTTTGAATTAGATTATTG AAAAAGGAATCTCTGTTACAGTGCAAAGAACATTTTGATAGAAATTCATGTCTACAAAG GAGTTAAATACAGATGTCCTTAACATTAGCAGATACTATTCTTGCTCTAAAAAGTAGAA TTATCAGACATTGTAATATATGGGTCAAATATGTGTACAGATTTACAGGCCCCCTTA TTAAAGCAATTCTACAGTTGTATTTGACACTCTCAAGGAGGATATACTTTTTTGAACA CACTAAACACAAATTACCTTTATTATTCTTACTTTTGAAGTAAAGCTCCATTGTAAGT TCATCCCTTTTACAAATCCTTCGAGTGAAAGCAGCCCCAAATGTTTTATCTTAAATAAAC TTCACCTTTCCAGTTTTCTTATAAATAACAAATNAATTTTTGGTTTAAATTAACAAA TAACACCTGGCCTTTTGCACATGTGCAACAACCCCATCTTTTTTTGCTCAAACCTTG
Restriction Sites:	NotI-NotI
ACCN:	NM_016072
Insert Size:	3350 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:	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_016072.2, NP_057156.1</u>
RefSeq Size:	2946 bp
RefSeq ORF:	417 bp
Locus ID:	51026
UniProt ID:	<u>Q9Y3E0</u>
Cytogenetics:	12p12.1
Domains:	Got1
Protein Families:	Transmembrane
Gene Summary:	May be involved in fusion of ER-derived transport vesicles with the Golgi complex. [UniProtKB/Swiss-Prot Function]