OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224669

Uggt1 (NM_198899) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uggt1 (NM_198899) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uggt1
Synonyms:	0910001L17Rik; A930007H10Rik; AA589501; AI414429; AI448372; C820010P03Rik; GT; Ugcgl1; UGT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224669 representing NM_198899 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGCAGCCGGGGGGATGCGAACACTGCGGATGCCGCGGCTGCGCGGCGGGTGACAGGGCTCCGTTACA ACATGAGACTCCTGATTGCACTGGCCTTACCGTGCCTGTTTTCCTTAGCAGAAGCCAATTCAAAAGCCAT TACCACCTCTCTCACCACAAAGTGGTTTTCTGCCCCACTGCTGCTGGAAGCCAGTGAGTTCTTAGCAGAA GACAGTCAAGAGAAATTTTGGAGTTTTGTAGAAGCCACTCAAAACATTGGATCATCAGATCATCACGATA CTGATCACTCCTATTACGATGCCGTATTGGAAGCTGCGTTTCGCTTCCTGTCCCCTCTGCAGCAGAATTT GTTGAAGTTTTGTCTCTCTCTCCGTTCCTACTCAGCCTCAATTCAAGCCTTCCAGCAGATAGCAGTTGAC GAGCCTCCACCAGAAGGGTGCAAGTCGTTTCTCTCAGTGCATGGAAAGCAGACTTGTGATCTAGACACTC TGGAGAGCCTTCTGCTGACTGCCGCTGACAGACCGAAACCATTATTGTTCAAAGGAGATCACAGATATCC CTCATCAAATCCTGAGAGTCCAGTGGTCATCCTTTATTCTGAGATTGGCCATGAAGAATTTTCTAATATT CACCACCAACTTATATCAAAAAGCAACGAAGGCAAAATTAATTATGTATTCCGACATTATATATCTAATC CCAGCAAGGAGCCGGTTTACCTTTCTGGCTATGGAGTGGAACTGGCGATCAAGAGCACGGAGTACAAGGC CAAGGATGATACTCAGGTGAAAGGAACTGAGGTAAATGCCACGGTCATCGGGGAGAGCGACCCTATTGAT GAAGTGCAGGGATTCCTCTTTGGAAAATTAAGAGAACTGTACCCCGCCTTGGAAGGACAGCTGAAAGAGT TCCGGAAGCACCTTGTGGAGAGCACCAACGAGATGGCCCCCCTGAAAGTCTGGCAGCTGCAAGATCTCAG CTTCCAGACTGCTGCCCGAATCTTGGCTGCTTCTGGGGCATTATCTCTGGTGGTGATGAAGGACATTAGT CAGAACTTTCCTACCAAGGCCAGAGCAATAACGAAAACGGCTGTGAGCGCGCAGCTTAGAGCGGAAGTGG AAGAGAACCAGAAGTATTTCAAGGGAACTATAGGATTACAGCCTGGAGACTCAGCGCTCTTCATCAATGG ACTTCATATCGATTTAGACACCCAGGATATATTCAGTCTATTTGATACATTGAGGAATGAAGCCCGTGTA ATGGAGGGTCTGCACAGGCTGGGAATAGAAGGCCTTTCTCTACATAATATTTTGAAGCTGAACATCCAGC CCTCTGAGACTGACTACGCAGTAGACATCAGGAGTCCTGCTATTTCCTGGGTCAACAACCTAGAGGTCGA TAGCCGATATAACTCATGGCCTTCAAGCTTACAGGAGTTACTCCGCCCCACGTTTCCTGGTGTCATACGG

View online »

CAGATCAGAAAGAACCTGCATAACATGGTTTTCATTATCGATCCTGTACACGAGACCACAGCCGAGTTGA
TTAGCATCGCCGAGATGTTCCTCAGCAATCACATACCGCTAAGGATTGGTTTTATCTTTGTGGTCAATGA
CTCTGAAGATGTTGATGGGATGCAAGATGCTGGAGTCGCTGTTCTGAGAGCGTATAATTATGTGGCTCAG
GAAGTGGATGGCTATCACGCCTTCCAGACTCTCACACAGATCTATAACAAGGTGAGGACTGGAGAGACAG
TGAAAGTGGAGCACGTGGTCAGTGTCTTGGAGAAGAAGTACCCGTACGTGGAAGTGAATAGCATTCTGGG
AATTGATTCTGCTTACGATCAGAATCGGAAGGAAGCAAGAGGCTACTATGAGCAGACTGGAGTAGGCCCC
CTGCCTGTTGTCCTGTTCAATGGAATGCCCTTTGAAAAGGAGCAGTTAGACCCGGATGAGCTGGAAACCA
TCACAATGCACAAGATCTTGGAGACAACCACCTTCTTCCAAAGAGCTGTGTACTTGGGTGAGCTGTCCCA
TGATCAAGATGTGGTAGAGTACATCATGAATCAGCCAAATGTTGTTCCAAGAATCAACTCTAGGATTCTG
ACAGCTAAGCGAGAGTATCTGGACCTAACAGCAAGCAATAATTTTTATGTGGATGACTTTGCCAGATTTT
CTGCCTTGGACTCTCGGGGCAAGACGGCTGCTATTGCCAACAGTATGAACTATCTGACGAAAAAAGGAAT
GTCCTCCAAGGAAATCTATGATGATTCTTTTATTAGACCAGTGACTTTTTGGATTGTTGGAGATTTTGAT
AGCCCTTCTGGGCGGCAGCTACTATATGATGCCATTAAACATCAGAAAACCAGTAACAATGTTAGGATAA
GTATGATCAACAATCCCAGCCAAGAGATCAGTGACTCAAGCACCCCCATCTTCAGAGCCATCTGGGCAGC
TCTGCAAACACAGGCCTCCAGCTCTGCTAAGAACTTCATCACCAAGATGGCCAAAGAGGAGACGGCAGAG
GCCCTGGCCGCAGGAGTGGACATTGCGGAATTCTCTGTCGGGGGCATGGATGTCAGTCTTTTTAAAGAGG
TCTTTGAGTCTTCCAGAATGGATTTCATTTTGTCTCATGCCCTGTACTGCAGGGATGTTCTGAAGCTGAA
GAAGGGACAGCGAGTGGTGATCAGCAACGGAAGGATCATTGGGCCTCTGGAGGACAATGAGCTCTTCAAC
CAAGATGATTTCCACCTCCTGGAAAATATCATCCTGAAAACATCGGGACAGAAAATAAAGTCTCATATCC
AACAGCTTCGAGTAGAAGAAGACGTGGCCAGTGATTTGGTAATGAAGGTGGATGCTCTCCTGTCAGCACA
ACCCAAAGGAGAGGCGAGGATCGAGTACCAGTTCTTTGAGGATAAACACAGTGCAATTAAGCTGAAGCCC
AAAGAAGGAGAGACATACTATGATGTGGTAGCCGTTGTTGACCCTGTCACACGAGAAGCACAGAGGCTCG
CCCCCTTGCTCTTGGTTTTGACTCAGCTGATAAACATGAATCTAAGAGTATTTATGAATTGCCAATCCAA
GCTTTCCGACATGCCTTTAAAAAGCTTTTACCGTTACGTCTTAGAGCCGGAGATTTCTTTCACTGCAGAC
AGCAGCTTTGCTAAGGGACCGATAGCAAAGTTTCTGGATATGCCACAGTCTCCGCTGTTTACTTTGAATC
TGAACACACCTGAGAGTTGGATGGTAGAATCTGTCAGAACACCATATGATCTGGATAATATTTATCTAGA
AGAGGTGGACAGTATAGTGGCTGCTGAGTATGAGCTGGAATATCTGTTACTAGAAGGTCATTGTTACGAC
ATCACCACAGGCCAGCCCCCTCGAGGACTACAGTTCACTTTAGGAACTTCAGCCAACCCAACAATTGTGG
ACACAATTGTGATGGCCAATCTGGGATATTTTCAGCTCAAAGCCAATCCGGGAGCCTGGATTCTGAGACT
GAGGAAGGGGCGCTCAGATGACATTTATAGGATCTACAGCCATGATGGTACAGATTCCCCTCCTGATGCA
AACGACGTTGTTGTCATCCTCAATAACTTCAAGAGCAAGATCATCAAAGTGAAGGTTCAGAAGAAGGCAG
ACATGGCTAATGAAGACTTGCTGAGTGATGGGACAAATGAGAACGAGTCTGGATTCTGGGACTCATTCAA
GTGGGGCTTCTCAGGACAGAAGGCTGAAGAAGTGAAGCAAGATAAAGATGACATAATCAATATTTTCTCT
GTTGCATCTGGTCATCTCTACGAAAGATTTCTTCGCATCATGATGCTCTCAGTCCTGAAGAATACCAAGA
CTCCTGTGAAGTTCTGGTTCTTGAAGAACTACTTGTCCCCCACATTTAAGGAGTTTATACCTTACATGGC
CAAAAAATACAATTTCCAGTATGAGCTTGTTCAGTACAAATGGCCAAGGTGGCTTCACCAGCAGACGGAG
AAGCAGCGAATCATCTGGGGCTACAAGATCCTCTTCCTGGACGTGCTTTTCCCGCTGGTTGTTGACAAGT
TCCTCTTTGTGGATGCTGATCAGATTGTACGGACAGATCTGAAGGAGTTAAGAGATTTCAATTTGGATGG
TGCGCCTTACGGTTACACTCCCTTCTGCGACAGCAGGAGAGAGATGGATGGCTACCGCTTCTGGAAGTCA
GGGTACTGGGCCAGTCATTTGGCTGGACGAAAGTATCACATCAGTGCGCTGTATGTCGTGGATCTGAAGA
AGTTTAGGAAAATAGCTGCTGGAGACAGACTCAGGGGACAGTACCAAGGTCTGAGCCAGGATCCCAACAG
TCTTTCAAATCTTGATCAAGATTTGCCCAATAACATGATCCATCAGGTGCCAATCAAATCGCTCCCTCAG
GAATGGCTTTGGTGTGAAACGTGGTGTGATGACGCCTCTAAGAAGCGGGCAAAGACCATCGACCTGTGTA
ATAATCCCATGACTAAGGAGCCCAAACTGGAGGCTGCCGTGCGGATCGTCCCTGAGTGGCAAGACTACGA
CCAGGAGATCAAGCAGCTGCAGACCCTCTTCCAAGAGGAGAAGGAGCTGGGGACCCTGCATACAGAGGAG
ACGCAGGAAGGCTCTCAGAAGCATGAGGAATTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198899

Insert Size:	4656 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:	NM_198899.2, NP_942602.2
RefSeq Size:	9045 bp
RefSeq ORF:	4656 bp
Locus ID:	320011
UniProt ID:	Q6P5E4
Cytogenetics:	1 B
Gene Summary:	Recognizes glycoproteins with minor folding defects. Reglucosylates single N-glycans near the misfolded part of the protein, thus providing quality control for protein folding in the endoplasmic reticulum. Reglucosylated proteins are recognized by calreticulin for recycling to the endoplasmic reticulum and refolding or degradation (By similarity).[UniProtKB/Swiss-Prot Function]