

Product datasheet for **SC309907**

UGGT (UGGT1) (NM_020120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGGT (UGGT1) (NM_020120) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGGT
Synonyms:	HUGT1; UGCGL1; UGT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309907 representing NM_020120. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGGCTGCAAGGGAGACGCGAGCGGTGCGTGTGCCGCGGGTGCGCTGCCGGTGACAGGAGTTTGCTAT
AAAATGGGAGTTCTGGTTGTACTCACTGTTCTGTGGCTGTTCTCCTCAGTAAAGGCCGACTCAAAAGCC
ATTACAACCTCTTTACAACAAATGGTTTTCCACTCCATTGTTGTTAGAAGCCAGTGAGTTTTTAGCA
GAAGACAGTCAAGAGAAATTTTGAATTTGTAGAAGCCAGTCAAAATATTGGATCATCAGATCATGAC
GGTACCGATTATCCTACTATCATGCAATATTGGAGGCTGCATTTTCAGTTTCTGTACCCCTCCAGCAG
AATTTGTTTAAATTTGTCTGTCCCTTCGTTCTTACTCAGCTACAATCCAAGCCTTCAGCAGATAGCA
GCTGATGAACCTCCACCAGAAGGATGTAATTCGTTTTTTCAGTGCATGGAAAGAAGACTTGTGAATCT
GATACCCTTGAGGCTCTTCTACTGACAGCCTCTGAAAGACCCAAACCTTTATTGTTCAAAGGAGATCAC
AGATATCCCTCGTCTAATCCTGAAAGCCCTGTGGTGATTTTCTACTCTGAGATTGGCTCTGAGGAATTT
TCCAATTTTACCAGCCAGCTTATATCAAAAAGCAATGCAGGCAAAATCAATTATGTATTACAGACATTAT
ATATTTAATCCCAGGAAGGAGCCTGTTTACCTCTCTGGCTATGGCGTGGAATTGGCCATTAAGAGCACT
GAGTACAAGGCCAAGGATGATACTCAGGTGAAAGGAAGTGAAGTAAACACCACAGTGATTGGTGAAT
GATCCTATTGATGAGGTTCAAGGGTTCCTCTTTGGAAAATTAAGAGATCTGCACCCCGACCTGGAGGGA
CAGTTGAAAGAACTCAGAAAGCATCTTGTAGAGAGCACCATGAAATGGCACCTTTAAAGGTTTGGCAG
TTGCAAGATCTCAGTTTCCAGACTGCTGCTCGAATCTTGGCTTCTCCTGTTGAGTTGGCTTGGTTGTC
ATGAAGGATCTTAGTCAGAATTTTCTACCAAAGCCAGAGCAATAACAAAAACAGCTGTGAGCTCAGAA
CTTAGAACCGAAGTGGAAGAGAATCAGAAGTATTTCAAGGGAAGTTAGGATTACAACCTGGAGATTCA
GCCCTCTTCATCAATGGACTTCACATGGATTTAGATACACAGGATATATTCAGTCTGTTTGATGTGTTG
AGGAATGAAGCTCGGGTAATGGAGGCTGTCATAGATTGGGAATAGAAGGCCTTTCTCTGCATAATGTT
TTGAAGCTGAACATCCAGCCCTCTGAGGCAGACTATGCCGTAGACATCCGGAGTCTGCTATTTTCATGG
GTCAACAACCTGGAGTTGATAGCAGATATAATTCGTGGCCTTCTAGTTTACAAGAGTTGCTTCGACCC
ACCTTTCTGGTGTATTTCGGCAGATCAGGAAAACTTACATAATATGGTTTTCATAGTTGATCCTGCA



[View online »](#)

CATGAGACCACAGCAGAGTTGATGAACACAGCTGAGATGTTCTTAGTAATCATATACCACTAAGAATT
 GGTTTTATCTTTGTGGTTAATGACTCTGAAGATGTTGATGGGATGCAAGATGCTGGAGTGCTGTTCTT
 AGAGCATATAATTATGTTGCCAAGAAGTGGATGATTATCATGCCTTCCAGACTCTGACACATATCTAT
 AACAAGGTGAGGACTGGAGAAAAAGTGAAGTTGAACATGTGGTCAGTGTCTGGAGAAGAAATATCCG
 TATGTAGAAGTGAATAGCATTTTGGGGATTGATTCTGCTTATGATCGGAATCGGAAGGAAGCAAGAGGC
 TACTATGAGCAGACTGGAGTTGGACCTTGCCCGTTGTGCTGTCAATGGAATGCCCTTTGAAAGGGAA
 CAGCTAGACCCGTGATGAGTTAGAAACCATCACAATGCATAAAATCCTGGAGACCACCACCTTCTTCCAA
 AGAGCGGTGTAAGTGGGTGAAGTGGCCCATGATCAAGATGGTAGAGTATATCATGAATCAGCCAAAT
 GTTGTTCACGAATCAATTCTAGGATTTTGACAGCTGAACGAGACTACCTGGATTAAACAGCGAGTAAT
 AACTTCTTTGTGGATGATTATGCTAGATTTACTATCTTGGATTCCCAAGGCAAGACTGCTGCTGAGCC
 AATAGTATGAACTATCTGACAAAGAAAGGAATGTCCTCCAAGGAAATCTATGATGATTCTTTTATTAGG
 CCAGTAACCTTTTGGATTGTTGGGGATTTGATAGCCCTTCTGGACGGCAGTTACTGTATGATGCCATC
 AAACATCAGAAATCCAGTAACAATGTTAGAATAAGCATGATCAATAATCTGCCAAAGAGATAAGCTAT
 GAGAACACTCAGATCTCCAGAGCAATCTGGGCAGCTCTCCAACTCAGACTTCCAACGCTGCTAAGAAC
 TTCATCACCAAAATGGCCAAGGAGGGGGCTGCAGAGGCCCTGGCTGCAGGAGCTGACATTGCGGAGTTC
 TCTGTTGGGGGAATGGATTTTCAATCTTTTAAAGAGGTCTTTGAGTCTTCCAAAATGGATTTCAATTTG
 TCTCATGCCGTGTAAGTGCAGGGATGTTCTGAAGCTGAAGAAGGGACAGAGGGCAGTGATCAGCAATGGA
 AGGATCATTGGGCCACTGGAGGATAGTGAGCTCTTTAATCAAGACGATTTCCACCTCCTCGAAAATATC
 ATCTTAAAAACCTCAGGACAGAAAAATAAATCTCATATTCAACAGCTTCGGGTAGAAGAAGATGTGGCA
 AGCGACTTGGTAATGAAGGTGGATGCTCTTCTGTGACGCGAACCAAAAGGAGATCCAAGAATCGAGTAC
 CAGTTTTTTGAAGACAGACAGTGCAATCAAAGTGGCCGAAGGAAGGGGAGACATCTTTGATGTT
 GTGGCTGTGTTGACCTGTGACAGAGAAGCAGAGACTTGCTCCTTTGCTCTTGGTTTTGGCTCAG
 CTGATAAACATGAATCTGAGAGTATTTATGAAGTCCCAATCCAACTTTCTGACATGCCTTTAAAAAGC
 TTTTACCGTTATGCTTAGAACCAGAGATTTCTTTCACCTCAGACAATAGTTTTGCTAAGGGTCCAATC
 GCAAAATTTTTGGATATGCCTCAGTCTCCACTGTTCACTCTGAATTTGAACACACCTGAGAGCTGGATG
 GTAGAATCTGTCAGAACCCATATGATCTTGATAATATTTATTTAGAAGAGGTGGACAGTGATGGCT
 GCTGAGTATGAGCTGGAATACCTGTTACTGGAAGGTCAATGCTACGACATCACCACAGGCCAGCCTCCA
 CGGGGACTACAGTTTACCTTAGGAATCTCAGCCAACCCGGTCATTGTGGACACCATTTGTTATGGCCAAT
 CTGGGCTACTTTAGCTGAAAGCCAACCCAGGAGCTTGATCCTCAGACTTAGGAAGGGACGCTCTGAA
 GATATTTATAGAATTTACAGCCACGATGGCACTGATTCTCCCCCTGATGCTGATGAGGTGGTTATCGTC
 CTCACAACTTCAAAGCAAAATTTATTAAGTGAAGGTTGAGAAGAGGAGATATGGTGAACGAAGAC
 TTGCTGAGTGATGGAACGAGTGAGAATGAATCTGGATTTTGGGATTCCTTCAAATGGGGCTTTACAGGA
 CAGAAGACTGAGGAAGTGAAGCAAGATAAAGATGACATAATTAATATTTCTCCGTTGCATCTGGTCAT
 CTCTACGAAAGATTTCTTCGCATAATGATGCTATCCGTGCTGAAGAATACCAAGACTCCTGTGAAATTC
 TGGTCTTGAAGAATTACTTGTCCTCCACATTTAAGGAGTTTATACCTTACATGGCAATGAATACAAT
 TTCCAGTATGAGCTTGTTCAGTACAAATGGCCCGGTGGCTTCATCAACAACTGAAAAACAGCGTATC
 ATCTGGGGTTACAAGATCCTCTTCTGGATGTAATTTCCCACTAGTTGTTGACAAGTTCCTGTTTGTG
 GATGCTGATCAGATTGTACGAACAGATCTGAAAGAGTTAAGAGATTTCAATTTGGATGGTGCTCCTTAT
 GGTACACTCCTTCTGTGACAGCCGAAGAGAAATGGACGGCTACAGGTTCTGGAAGTCAGGGTACTGG
 GCCAGTCATTTAGCCGGGCGAAAGTATCATATCAGTGCACTATATGTTGTGGATCTGAAGAAGTTTAGG
 AAAATAGCTGCTGGTGACAGACTCAGGGGACAGTACCAAGGTCTGAGTCAGGACCCTAACAGCCTTTCA
 AATCTTGATCAAGATCTGCCAATAACATGATTATCAGGTGCCAATTAATCCCTCCCTCAAGAATGG
 CTTTGGTGTGAAACGTGGTGTGATGACGCCTCTAAGAAAAGGGCAAAAACCATTTGTTGTAATAAT
 CCGATGACCAAGAGCCGAACTGGAAGCAGCTGTGCGGATTGTCCGGAGTGGCAGGACTACGACCAA
 GAGATCAAACAGCTACAGATCCGCTTTCAGAAGGAGAAAGAACGGGAGCACTGTACAAAGAGAAGACA
 AAAGAACCAAGCCGAGAAGGTCTCAGAAACGTGAAGAATTATGA
 ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_020120

Insert Size:	4668 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:	<u>NM_020120.3</u>
RefSeq Size:	10802 bp
RefSeq ORF:	4668 bp
Locus ID:	56886
UniProt ID:	<u>Q9NYU2</u>
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, Transmembrane
MW:	177.2 kDa
Gene Summary:	UDP-glucose:glycoprotein glucosyltransferase (UGT) is a soluble protein of the endoplasmic reticulum (ER) that selectively reglucosylates unfolded glycoproteins, thus providing quality control for protein transport out of the ER.[supplied by OMIM, Oct 2009] Transcript Variant: This variant (1) represents the shorter transcript but encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.