

Product datasheet for **SC304665**

UGT1A8 (NM_019076) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT1A8 (NM_019076) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT1A8
Synonyms:	GNT1; hUG-BR1; UDPGT; UDPGT 1-1; UDPGT 1-8; UGT-1A; UGT-1H; UGT1; UGT1-01; UGT1-08; UGT1.1; UGT1.8; UGT1A; UGT1A1; UGT1A8S; UGT1H
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_019076 edited
 CTGGTACCGATATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTG
 CTGGAATTCGCCCTTCCGCCTACTGTATCATAGCAGCTTAGAATCCCAGCTGCTGGCTCG
 GGCTGCAGTTCTCTCATGGCTCGCACAGGGTGGACCAGCCCCATCCCCTATGTGTTTCT
 CTGCTGCTGACCTGTGGCTTTGCTGAGGCAGGGAAGCTGCTGGTAGTGCCCATGGATGGG
 AGTCACTGGTTCCACATGCAGTCGGTGGTGGAGAACTTATCCTCAGGGGCATGAGGTG
 GTTGTAGTCATGCCAGAGGTGAGTTGGCAACTGGGAAAATCACTGAATTGCACAGTGAAG
 ACTTACTCAACCTCATACTCTGGAGGATCTGGACCGGAATTCATGGATTTCCGCCGAT
 GCTCAATGGAAAGCACAAGTACGAAGTTTGTCTCTATTTCTGAGTTCATCCAATGGT
 TTTTTAACTTATTTTTTTCGCATTGCAGGAGTTGTTAATGACCGAAAATTAGTAGAA
 TACTTAAAGGAGAGTTCTTTTGTGCGGTGTTTCTTGATCCTTTTGTGCTGTGGCTTA
 ATTGTTGCCAAATATTTCTCCCTCCCCTCTGTGGTCTTCGCCAGGGGAATAGGTTGCCAC
 TATCTTGAAGAAGGTGCACAGTGCCTGCTCTTCTTCTATGTCACAGAAATCTCTTA
 GGGTTCTCAGATGCCATGACTTTCAAGGAGAGAGTACGGAACCATCATGCACTGGAG
 GAACATTTATTTGCCAGTATTTTCCAAAATGCCCTAGAAATAGCCTCTGAAATTCTC
 CAAACACCTGTACAGCATATGATCTCTACAGCCACACATCAATTTGGTTGTTGCGAACA
 GACTTTGTTTTGGACTATCCCAAACCCGTGATGCCCAATATGATCTTCATTGGTGGTATC
 AACTGCCATCAGGGAAAGCCATTGCCTATGGAATTTGAAGCCTACATTAATGCTTCTGGA
 GAACATGGAATTTGGTTTTCTTTGGGATCAATGGTCTCAGAAATCCAGAGAAGAAA
 GCTATGGCAATTTGCTGATGCTTTGGGCAAAATCCCTCAGACAGTCTGTGGCGGTACACT
 GGAACCCGACCATCGAATCTTGCGAACAACACGATACTTGTTAAGTGGCTACCCAAAAC
 GATCTGCTTGGTACCCGATGACCCGTGCCTTTATCACCCATGCTGGTCCCATGGTGT
 TATGAAAGCATAATGCAATGGCGTTCCCATGGTGTGATGATGCCCTTGTGGTGTGATG
 GACAATGCAAAGCGCATGGAGACTAAGGGAGCTGGAGTGACCCCTGAATGTTCTGGAAATG
 ACTTCTGAAGATTTAGAAAATGCTCTAAAAGCAGTCATCAATGACAAAAGTTACAAGGAG
 AACATCATGCGCCTCTCCAGCCTTACAAAGACCGCCCGGTGGAGCCGCTGGACCTGGCC
 GTGTTCTGGTGGAGTTTGTGATGAGGCACAAGGGCGCGCCACACCTGCGCCCCGACGCC
 CACGACCTCACCTGGTACCAGTACCATTCTTGGACGTGATTGGTTTCTTGGCCGTC
 GTGCTGACAGTGGCCTTCATCACCTTTAAATGTTGTGCTTATGGCTACCGGAAATGCTTG
 GGGAAAAAAGGGCGAGTTAAGAAAGCCCAAAATCCAAGACCCATTGAGAAGTGGTGGG
 AAATAAGGTAAGGGC

Restriction Sites: Please inquire

ACCN: NM_019076

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: The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_019076.4.

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:	NM_019076.4 , NP_061949.3
RefSeq Size:	2396 bp
RefSeq ORF:	1593 bp
Locus ID:	54576
UniProt ID:	Q9HAW9
Cytogenetics:	2q37.1
Protein Families:	Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, Ascorbate and aldarate metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Retinol metabolism, Starch and sucrose metabolism
Gene Summary:	<p>This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remaining nine 5' exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. The enzyme encoded by this gene has glucuronidase activity with many substrates including coumarins, phenols, anthraquinones, flavones, and some opioids. [provided by RefSeq, Jul 2008]</p>