

Product datasheet for **SC302967**

UGT2B10 (NM_001075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B10 (NM_001075) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B10
Synonyms:	UDPGT2B10
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_001075 edited
 ATGGCTCTGAAATGGACTACAGTTCTGCTGATACAACCTCAGTTTTTACTTTAGCTCTGGG
 AGTTGTGGAAAGGTGCTGGTATGGGCCGAGAATACAGCCTTTGGATGAATATGAAGACA
 ATCCTGAAAGAACTTGTTGAGAGAGGTCATGAGGTGACTGTAAGGTCATCTTCCAGCTTCC
 ATCTTTTTGATCCCAACGACTCATCCACTCTTAACTTGAAGTTTATCTACATCTTTA
 ACTAAAACCTGAATTTGAGAATATCATGCAATTGGTTAAGAGATTGTCAGAAATCAA
 AAAGTACATTTTGGTTACCTTTTTCCACAAGAACAAGAAATCCTGTGGCAATTAATGAC
 ATAATTAGAAACTTCTGTAAGATGTAGTTTCAAATAAGAACTTATGAAAAACTACAA
 GAGTCAAGATTTGACATCGTTTTTGCAGATGCTTATTTACCCTGTGGTGAGCTGTGGCT
 GAGCTATTTAACATACCCTTTGTGTACAGTCACAGCTTCCAGTCTGGCTACTCATTGAA
 AGGCACAGTGGAGGATTTATTTCCCTCCTTCTACGTACCTGTTGTTATGTCAAATTA
 AGTGATCAAATGACTTTCATGGAGAGGGTAAAAAATATGCTCTATGTGCTTTATTTTGC
 TTTTGGTTCCAAATATTTAATATGAAGAAGTGGGATCAGTTTTACAGTGAAGTTTATAGG
 AGACCCACTACATTATCTGAGACAATGAGGAAAGCTGACATATGGCTTATGCGAAACTCC
 TGGAAATTTAAATTTCTCATCCATTCTACCAAATGTTGATTTTGTGGAGGACTCCAC
 TGCAAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAGTTTGTACAGAGCTCTGGAGAA
 AATGGTGTGTGGTGTCTCTGGGGTCAATGGTCAGTAACATGACAGAAGAAAGGGCC
 AACGTAATTGCAACAGCCCTTGCCAAGATCCCACAAAAGGTTCTTTGGAGATTTGATGGG
 AATAAACCCAGATGCCTTAGGTCTCAATACTCGACTGTACAAGTGGATACCCGAGAATGAC
 CTTCTAGGTCATCCAAAAACCAGAGCTTTTATAACTCATGGTGGAGCCAATGGCATCTAT
 GAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCCATTGTTTTTGTCAACCTGAT
 AATATTGCTCACATGAAGCCAAGGGAGCAGCTGTTAGAGTGGACTTCAACACAATGTCG
 AGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCCTTCATATAAAGAGAAT
 ATTATGAAATTATCAAGAATTCAACATGATCAACCAAGTGAAGCCCTGGATCGAGCAGTC
 TTCTGGATTGAATTTGTCATGCGCCACAAGGAGCCAAACATCTTCGAGTTGCAGCCAC
 AACCTCACCTGGTTCCAGTACCCTCTTTGGATGTGATTGGGTTCTGTGGCTTGTGTG
 GCAACCGTGTATTTATCATCACAAAGTGTGTCTGTTTTGTTTCTGGAAGTTTGTCTAGA
 AAAGGAAAGAAGGGAAAAAGGGATTAG

Restriction Sites: Please inquire

ACCN: NM_001075

Insert Size: 1600 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:	<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_001075.2 , NP_001066.1
RefSeq Size:	1620 bp
RefSeq ORF:	1587 bp
Locus ID:	7365
UniProt ID:	P36537
Cytogenetics:	4q13.2
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>UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.</p>