

## Product datasheet for **SC325935**

### UGT2B10 (NM\_001144767) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B10 (NM_001144767) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B10
Synonyms:	UDPGT2B10
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001144767 edited  
GGAAAAGAATTATCACATCTGCACAAGGATGGCTCTGAAATGGACTACAGTTCTGCTGAT  
ACAACCTCAGTTTTACTTTAGCTCTGGGAGTTGTGAAAGTGCTGGTATGGGCCGAGA  
ATACAGCCTTTGGATGAATATGAAGACAATCCTGAAAGAAGTTGTTTCAGAGAGGTCATGA  
GGTGACTGTAAGGATCTTCAGCTTCCATTCTTTTTGATCCCAACGACTCATCCACTCT  
TAAACTTGAAGTTTATCCTACATCTTTAACTAAAAGTGAATTTGAGAATATCATCATGCA  
ATTGGTTAAGAGATTGTCAGAAATTCAAAAAGATACATTTTGGTTACCTTTTTCAACA  
ACAAGAAATCCTGTGGGCAATTAATGACATAATTAGAACTTCTGTAAAGATGTAGTTTC  
AAATAAGAACTTATGAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTGCAGATGC  
TTATTTACCCTGTGGAAGACCCACTACATTATCTGAGACAATGAGGAAAGCTGACATATG  
GCTTATGCGAACTCCTGGAATTTTAAATTTTCTCATCCATTCTACCAAATGTTGATTT  
TGTTGGAGGACTCCACTGCAAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAGTTGT  
ACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAATGGTCAGTAACAT  
GACAGAAGAAAGGGCCAACGTAATTGCAACAGCCCTTGCCAAGATCCCACAAAAGTTCT  
TTGGAGATTTGATGGGAATAAACAGATGCCTTAGGTCTCAATACTCGACTGTACAAGTG  
GATACCCAGAATGACCTTCTAGGTCATCCAAAAACCAGAGCTTTTATAACTCATGGTGG  
AGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCCATTGTT  
TTTTGATCAACCTGATAATATTGCTCACATGAAGGCCAAGGGAGCAGCTGTTAGAGTGGA  
CTTCAACAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCC  
TTCATATAAAGAGAATATTATGAAATTATCAAGAATTCAACATGATCAACCAAGTGAAGCC  
CCTGGATCGAGCAGTCTTCTGGATTGAATTTGTCATGCGCCACAAGGAGCCAAACATCT  
TCGAGTTGCAGCCACAACCTCACCTGGTCCAGTACCACTCTTTGGATGTGATTGGGTT  
CCTGCTGGCTTGTGTGGCAACCGTGCTATTTATCATCACAAAGTGTGTCTGTTTTGTTT  
CTGGAAGTTTGTAGAAAAGGAAAGAAGGGAAAAAGGATTAG

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_001144767
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001144767.1</a></u> , <u><a href="#">NP_001138239.1</a></u>
<b>RefSeq Size:</b>	2504 bp
<b>RefSeq ORF:</b>	1335 bp
<b>Locus ID:</b>	7365
<b>UniProt ID:</b>	<u><a href="#">P36537</a></u>
<b>Cytogenetics:</b>	4q13.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	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
<b>Gene Summary:</b>	<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 (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter, compared to 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>