

Product datasheet for **SC335030**

UGT2B10 (NM_001290091) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B10 (NM_001290091) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B10
Synonyms:	UDPGT2B10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001290091, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAAAGCTGACATATGGCTTATGCGAAACTCCTGGAATTTAAATTCCTCATCCATTCTTACCAA
ATGTTGATTTTGTGGAGGACTCCACTGCAAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAGTTTGT
ACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAATGGTCAGTAACATGACAGAAGAA
AGGGCCAACGTAATTGCAACAGCCCTTGCCAAGATCCCACAAAAGGTTCTTTGGAGATTTGATGGGAATA
AACCAGATGCCTTAGGTCTCAATACTCGACTGTACAAGTGATACCCAGAATGACCTTCTAGGTCACTC
AAAAACCAGAGCTTTTAACTCATGGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCT
ATGGTGGGCATTCCATTGTTTTTGTGATCAACCTGATAATATTGCTCACATGAAGGCAAGGGAGCAGCTG
TTAGAGTGGACTTCAACCAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCC
TTCATATAAAGAGAATATTATGAAATTATCAAGAATCAACATGATCAACCAAGTGAAGCCCTGGATCGA
GCAGTCTTCTGGATTGAATTTGTCATGCGCCACAAAGGAGCCAAACATCTTCGAGTTGCAGCCCACAACC
TCACCTGGTCCAGTACCACTCTTTGGATGTGATTGGGTTCTGCTGGCTTGTGTGGCAACCGTGTATT
TATCATCACAAGTGTGTCTGTTTTGTTTCTGGAAGTTTGCTAGAAAAGGAAAGAAGGGAAAAAGGGAT
TAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290091
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).



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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:	<u>NM_001290091.1, NP_001277020.1</u>
RefSeq Size:	2187 bp
RefSeq ORF:	843 bp
Locus ID:	7365
UniProt ID:	<u>P36537</u>
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 (3) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, 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>