

Product datasheet for **SC328410**

UGT3A1 (NM_001171873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT3A1 (NM_001171873) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT3A1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001171873, the custom clone sequence may differ by one or more nucleotides

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ATGCTTCATCAGAGTGGAAAGTTTTGATCCCAGATATTAAGAGGAGGAAAAATCATAC
CAAGTTATCAGGTGGTTTTACCTGAAGATCATCAAAAAAGAATTAAGAAGCATTTTGAT
AGCTACATAGAAAACAGCATTGGATGGCAGAAAAGAATCTGAAGCCCTTGTAAGCTAATG
GAAATATTTGGGACTCAATGTAGTTATTTGCTAAGCAGAAAGGATATAATGGATTCCTTA
AAGAATGAGAAGCTATGATCTGGTATTTGTTGAAGCATTGATTTCTGTTCTTTCTGATT
GCTGAGAAGCTTGTGAAACCATTTGTGGCCATTCTCCACCACATTCGGCTCTTTGGAT
TTTGGGCTACCAAGCCCCTTGCTTATGTTCCAGTATTCCTTCCTTGCTGACTGATCAC
ATGGACTTCTGGGGCCGAGTGAAGAATTTCTGATGTTCTTTAGTTTCTCCAGGAGCCAA
TGGGACATGCAGTCTACATTTGACAACCATCAAGGAGCATTCCAGAAAGGCTCTAGG
CCAGTTTTGTCTCATCTTCTACTGAAAGCAGAGTTGTGGTTTGTTAACTCTGATTTTGCC
TTTGATTTTGCCCGGCCCTGCTCCCAACACTGTTTATATTGGAGGCTTGATGGAAAAA
CCTATTAACAGTACCACAAAATGGGCAACCAGCTCTCTTACCACCCCGAGCTTATTC
TCCTCTGGAGTGTATCCTGAACCACTGAGATGGCTTTGA

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Restriction Sites:	Please inquire
ACCN:	NM_001171873
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:	<u>NM_001171873.1, NP_001165344.1</u>
RefSeq Size:	3112 bp
RefSeq ORF:	759 bp
Locus ID:	133688
UniProt ID:	<u>Q6NUS8</u>
Cytogenetics:	5p13.2
Protein Families:	Transmembrane
Gene Summary:	<p>UDP-glucuronosyltransferases catalyze phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences, compared to variant 1. These differences result in distinct 5' UTR and 3' UTRs, cause translation initiation at a downstream start codon and result in a frameshift and an early stop codon, compared to variant 1. The encoded isoform has a shorter N-terminus and a distinct C-terminus, compared to isoform 1.</p> <p>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>