

Product datasheet for **SC306387**

UGT3A1 (NM_152404) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT3A1 (NM_152404) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT3A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306387 representing NM_152404.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTTGGGCAGCGGGTCTGCTTCTAGTGGCCTCCTTCTTTCTGGGGTCTGCTCTCAGAGGCTGCC
AAAATCCTGACAATATCTACACTGGGTGGAAGCCATTACCTACTGTTGGACCGGGTGTCTCAGATTCTT
CAAGAGCATGGTCATAATGTGACTATGCTTCATCAGAGTGGAAAGTTTTTATCCAGATATTAAGAG
GAGGAAAAATCATACCAAGTTATCAGGTGGTTTTACCTGAAGATCATAAAAAAGAATTAGAAGCAT
TTTGATAGCTACATAGAAACAGCATTGGATGGCAGAAAAGAATCTGAAGCCCTTGTAAGCTAATGGAA
ATATTTGGGACTCAATGTAGTTATTTGCTAAGCAGAAAGGATATAATGGATTCTTAAAGAATGAGAAC
TATGATCTGGTATTTGTTGAAGCATTGATTTCTGTTCTTTCTGATTGCTGAGAAGCTTGTAACCA
TTTGTGGCCATTCTCCACCACATTGGCTCTTTGGATTTTGGGCTACCAAGCCCTTGTCTTATGTT
CCAGTATTCCTTCTTGTGACTGATCAGTGGACTTCTGGGGCCGAGTGAAGAATTTTCTGATGTTT
TTTAGTTTCTCCAGGAGCAATGGGACATGCAGTCTACATTTGACAACCCATCAAGGAGCATTTCCA
GAAGGCTCTAGGCCAGTTTTGTCTCATCTTCTACTGAAAGCAGAGTTGTGGTTTGTAACTGATTTT
GCCTTTGATTTTGCCCGGCCCTGCTTCCAACACTGTTTATATTGGAGGCTTGATGAAAAACCTATT
AAACAGTACCACAAGACTTGGACAACCTCATTGCCAACCTTGGGGATGCAGGGTTTGTCTTGTGGCC
TTTGGCTCCATGTTGAACACCCATCAGTCCCAGGAAGTCTCAAGAAGATGCACAATGCCTTTGCCAC
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GTGAAAATTGTGGACTGGCTTCTCAGAGTGACCTCCTGGCTCACCCAGCATCCGTCTTTTGTCACT
CATGGTGGCAGAACAGCGTAATGGAGGCCATCCGTATGGTGTGCCATGGTGGGATACCAGTCAAT
GGAGACCAGCATGAAACATGGTCCGAGTAGTAGCCAAAATTAATGGTGTCTCTATCCGGTTGAATCAG
GTCACAGCCGACACACTGACACTTACAATGAAACAAGTCATAGAAGACAAGAGGTACAAGTCGGCAGTG
GTGGCAGCCAGTGTATCTGCACTCTCAGCCCTGAGCCCGCAGCAGCGGCTGGTGGGCTGGATCGAC
CACATCTCCAGACTGGGGGAGCGACGCACCTCAAGCCCTATGCCTTCCAGCAGCCTTGGCATGAGCAG
TACCTCATTGATGTCTTTGTGTTTCTGCTGGGCTCACTCTGGGCACTATGTGGCTTTGTGGGAAGCTG
CTGGGTGTGGTGGCCAGGTGGCTGCGTGGGGCCAGGAAGTGAAGAAGACATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_152404

Insert Size: 1572 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_152404.3
RefSeq Size:	2888 bp
RefSeq ORF:	1572 bp
Locus ID:	133688
UniProt ID:	Q6NUS8
Cytogenetics:	5p13.2
Protein Families:	Transmembrane
MW:	59.2 kDa
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 (1) encodes the longer 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>