OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC328805

UGT3A2 (NM_001168316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT3A2 (NM_001168316) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT3A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC328805 representing NM_001168316.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGGGCAGCGAGTGCTTCTTCTAGTGGGCTTCCTTCTCCCTGGGGTCCTGCTCTCAGAGGCTGCC
AAAATCCTGACAATATCTACAGTAGATTTTAAAAAGGAAGAAAAATCATATCAAGTTATCAGTTGGCTT
GCACCTGAAGATCATCAAAGAGAATTTAAAAAGAGTTTTGATTTCTTTCTGGAAGAAACTTTAGGTGGC
AGAGGAAAATTTGAAAACTTATTAAATGTTCTAGAATACTTGGCGTTGCAGTGCAGTCATTTTTTAAAT
AGAAAGGATATCATGGATTCCTTAAAGAATGAGAACTTCGACATGGTGATAGTTGAAACTTTTGACTAC
TGTCCTTTCCTGATTGCTGAGAAGCTTGGGAAGCCATTTGTGGCCATTCTTTCCACTTCATTCGGCTCT
TTGGAATTTGGGCTACCAATCCCCTTGTCTTATGTTCCAGTATTCCGTTCCTTGCTGACTGATCACATG
GACTTCTGGGGCCGAGTGAAGAATTTTCTGATGTTCTTTAGTTTCTGCAGGAGGCAACAGCACATGCAG
TCTACATTTGACAACACCATCAAGGAACATTTCACAGAAGGCTCTAGGCCAGTTTTGTCTCATCTTCTA
CTGAAAGCAGAGTTGTGGTTCATTAACTCTGACTTTGCCTTTGATTTTGCTCGACCTCTGCTTCCCAAC
ACTGTTTATGTTGGAGGCTTGATGGAAAAACCTATTAAACCAGTACCACAAGACTTGGAGAACTTCATT
GCCAAGTTTGGGGACTCTGGTTTTGTCCTTGTGACCTTGGGCTCCATGGTGAACACCTGTCAGAATCCG
GAAATCTTCAAGGAGATGAACAATGCCTTTGCTCACCTACCCCAAGGGGTGATATGGAAGTGTCAGTGT
TCTCATTGGCCCAAAGATGTCCACCTGGCTGCAAATGTGAAAATTGTGGACTGGCTTCCTCAGAGTGAC
CTCCTGGCTCACCCAAGCATCCGTCTGTTTGTCACCCACGGCGGGCAGAATAGCATAATGGAGGCCATC
CAGCATGGTGTGCCCATGGTGGGGATCCCTCTCTTTGGAGACCAGCCTGAAAACATGGTCCGAGTAGAA
GCCAAAAAGTTTGGTGTTTCTATTCAGTTAAAGAAGCTCAAGGCAGAGACATTGGCTCTTAAGATGAAA
CAAATCATGGAAGACAAGAGATACAAGTCCGCGGCAGTGGCTGCCAGTGTCATCCTGCGCTCCCACCCG
CTCAGCCCCACACAGCGGCTGGTGGGCTGGATTGACCACGTCCTCCAGACAGGGGGCGCGACGCACCTC
AAGCCCTATGTCTTTCAGCAGCCCTGGCATGAGCAGTACCTGCTCGACGTTTTTGTGTTTCTGCTGGGG
CTCACTCTGGGGACTCTATGGCTTTGTGGGAAGCTGCTGGGCATGGCTGTCTGGTGGCTGCGTGGGGCC
AGAAAGGTGAAGGAGACATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001168316

Insert Size: 1470 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:	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_001168316.1
RefSeq Size:	2283 bp
RefSeq ORF:	1470 bp
Locus ID:	167127
UniProt ID:	Q3SY77
Cytogenetics:	5p13.2
Protein Families:	Transmembrane
MW:	55.7 kDa
Gene Summary:	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] Transcript Variant: This variant (2) differs lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This variant encodes isoform 2 which is shorter than isoform 1.