

Product datasheet for **SC302968**

UGT2B17 (NM_001077) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B17 (NM_001077) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B17
Synonyms:	BMND12; UDPGT2B17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF Sequence for NM_001077. The custom clone sequence may differ by one or more nucleotides

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ATGTCTCTGAAATGGATGTCAGTCTTTCTGCTGATGCAGCTCAGTTGTTACTTTAGCTCT
GGGAGTTGTGGAAAGGTGCTGGTGTGGCCACAGAATACAGCCATTGGATAAATATGAAG
ACAATCCTGGAAGAGCTTGTTCCAGAGGGGTCATGAGGTGATTGTGTTGACATCTTCGGCT
TCTATTTGTCAATGCCAGTAAATCATCTGCTATTAATAGAAAGTTTATCCTACATCT
TTAACTAAAAATGATTTGGAAGATTTTTTATGAAAATGTTTCGATAGATGGACATATAGT
ATTTCAAAAAATACATTTTGGTCATATTTTTCACAACTACAAGAATTGTGTTGGGAATAT
TCTGACTATAATATAAGCTCTGTGAAGATGCAGTTTTGAACAAGAACTTATGAGAAAA
CTACAAGAGTCAAAAATTTGATGTCCTTCTGGCAGATGCCGTTAATCCCTGTGGTGAAGCTG
CTGGCTGAACTACTTAACATACCCTTTCTGTACAGTCTCCGCTTCTCTGTTGGCTACACA
GTTGAGAAGAATGGTGGAGGATTTCTGTTCCCTCCTTCCATGTACCTGTTGTTATGTCA
GAATTAAGTGATCAAATGATTTTCATGGAGAGGATAAAAAATATGATATATATGCTTTAT
TTTGACTTTTGGTTTCAAGCATATGATCTGAAGAAGTGGGACCAGTTTTATAGTGAAGTT
CTAGGAAGACCCACTACATTATTTGAGACAATGGGAAAGCTGAAATGTGGCTCATTGCA
ACCTATTGGGATTTTGAATTTCCCTCGCCATTCTTACCAATGTTGATTTTGTGGAGGA
CTTCACTGTAAACCAGCCAAACCCTTGCCTAAGGAAATGGAAGAGTTTGTGCAGAGCTCT
GGAGAAAATGGTATTGTGGTGTCTTCTGGGGTCGATGATCAGTAACATGTCAGAAGAA
AGTGCCAAACATGATTGCATCAGCCCTTGCCAGATCCCAAAAAGGTTCTATGGAGATTT
GATGGCAAGAAGCCAAACTTTAGGTTCCAATACTCGACTGTATAAGTGGTTACCCAG
AATGACCTTCTGGTCAATCCAAAACCAAAGCTTTTATAACTCATGGTGGAAACCAATGGC
ATCTATGAGGCGATCTACCATGGGATCCCTATGGTGGCATTCCCTTGTGCGGATCAA
CATGATAACATTGCTCACATGAAAGCCAAGGGAGCAGCCCTCAGTGTGGACATCAGGACC
ATGTCAAGTAGAGATTTGCTCAATGCATTGAAGTCAGTCATTAATGACCCATCTATAAAA
GAGAATATCATGAAATTATCAAGAATTCATCATGATCAACCGGTGAAGCCCTGGATCGA
GCAGTCTTCTGGATTGAGTTTGTGTCATGCGCCATAAAGGAGCCAAGCACCTTCGGTTCGA
GCCCAACCTCACCTGGATCCAGTACCCTCTTTGGATGTGATAGCATTCTGCTGGCC
TGCGTGGCAACTATGATATTTATGATCACAAAATGTTGCCTGTTTTGTTCCGAAAGCTT
GCCAAAACAGGAAAGAAGAAGAAAAGGGAT
    
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Restriction Sites: Please inquire

ACCN: NM_001077

Insert Size: 1600 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_001077.2</u> , <u>NP_001068.1</u>
RefSeq Size:	2099 bp
RefSeq ORF:	1593 bp
Locus ID:	7367
UniProt ID:	<u>O75795</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:	This gene encodes a member of the uridine diphosphoglucuronosyltransferase protein family. The encoded enzyme catalyzes the transfer of glucuronic acid from uridine diphosphoglucuronic acid to a diverse array of substrates including steroid hormones and lipid-soluble drugs. This process, known as glucuronidation, is an intermediate step in the metabolism of steroids. Copy number variation in this gene is associated with susceptibility to osteoporosis.[provided by RefSeq, Apr 2010]