

Product datasheet for **SC317899**

UGT2B15 (NM_001076) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B15 (NM_001076) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B15
Synonyms:	HLUG4; UDPGT 2B8; UDPGT2B15; UDPGTH3; UGT2B8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

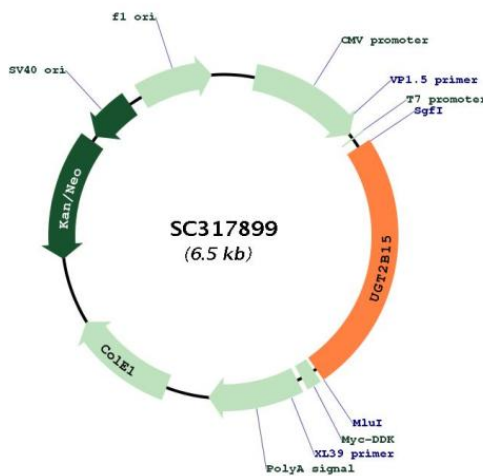
>SC317899 representing NM_001076.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCTCTGAAATGGACGTCAGTCTTTCTGTGATACAGCTCAGTTGTTACTTTAGCTCTGGAAGCTGT
GGAAAGGTGCTAGTGTGGCCCACAGAATACAGCCATTGGATAAAATGAAGACAATCCTGGAAGAGCTT
GTTCAGAGGGGTCATGAGGTGACTGTGTTGACATCTTCGCTTCTACTCTTGCAATGCCAGTAAATCA
TCTGCTATTAATTAGAAGTTTATCCTACATCTTAACTAAAAATTTTGAAGATTCTCTTCTGAAA
ATTCTCGATAGATGGATATATGGTGTTCAAAAATACATTTTGGTCATATTTTCAACAATTACAAGAA
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ATGAAACTACAAGAGTCAAAGTTTGATGTCATTCTGCCAGATGCCCTTAATCCCTGTGGTGAAGTACTG
GCTGAACATTTAACATACCCTTCTGTACAGTCTTCGATTCTCTGTTGGCTACACATTTGAGAAGAT
GGTGGAGGATTTCTGTTCCCTCCTTCTATGTACCTGTTGTTATGTCAGAATTAAGTGATCAAATGATT
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GCTGAAATGTGGCTCATTGCAACCTATTGGGATTTTGAATTTCTCGCCATTCTACCAATGTTGAT
TTTGTGGAGGACTTCACTGTAACCAGCCAAACCCCTGCCTAAGGAAATGGAAGAGTTTGTGCAGAGC
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AACATGATTGCATCAGCCCTGCCAGATCCCACAAAAGTTCTATGGAGATTTGATGGCAAGAAGCCA
AATACTTTAGGTTCCAATACTCGACTGTACAAGTGTTACCCAGAATGACCTTCTTGGTCATCCCAAA
ACCAAAGCTTTTATAACTCATGGTGAACCAATGGCATCTATGAGGCGATCTACCATGGGATCCCTATG
GTGGGCATTCCTTGTTCGCGATCAACATGATAACATTGCTCACATGAAAGCCAAGGGAGCAGCCCTC
AGTGTGGACATCAGGACCATGTCAAGTAGAGATTTGCTCAATGCATTGAAGTCAGTCATTAATGACCCT
GTCTATAAAGAGAATGTCATGAAATTATCAAGAATTCATCATGACCAACCAATGAAGCCCTGGATCGA
GCAGTCTTCTGGATTGAGTTTGTGATGCGCCACAAAGGAGCCAAGCACCTTCGAGTCGCAGCTCACAA
CTCACCTGGATCCAGTACCCTTGGATGTGATAGCATTCTGCTGGCCTGCGTGGAACCTGTGATA
TTTATCATCACAAAATTTGCCTGTTTTGTTCCGAAAGCTTGCCAAAAAAGGAAAGAAGAAGAAAAAGA
GATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001076
Insert Size:	1593 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_001076.3
RefSeq Size:	2264 bp
RefSeq ORF:	1593 bp
Locus ID:	7366
UniProt ID:	P54855
Cytogenetics:	4q13.2
Domains:	UDPGT
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

MW: 61 kDa

Gene Summary: This gene encodes a glycosyltransferase that is involved in the metabolism and elimination of toxic compounds, both endogenous and of xenobiotic origin. This gene plays a role in the regulation of estrogens and androgens. This locus is present in a cluster of similar genes and pseudogenes on chromosome 4. [provided by RefSeq, Aug 2016]