

Product datasheet for **RC224899**

UGT2B17 (NM_001077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT2B17 (NM_001077) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UGT2B17
Synonyms:	BMND12; UDPGT2B17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC224899 representing NM_001077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCTGAAATGGATGTCAGTCTTTCTGCTGATGCAGCTCAGTTGTTACTTTAGCTCTGGGAGTTGTG
 GAAAGGTGCTGGTGGCCACAGAATACAGCCATTGGATAAATATGAAGACAATCCTGGAAGAGCTTGT
 TCAGAGGGGTCATGAGGTGATTGTGTTGACATCTTCGGCTTCTATTCTTGCAATGCCAGTAAATCATCT
 GCTATTAATTAGAAGTTTATCCTACATCTTAACTAAAAATGATTTGGAAGATTTTTTATGAAAATGT
 TCGATAGATGGACATATAGTATTTCAAAAAATACATTTTGGTCATATTTTCACAACTACAAGAATTGTG
 TTGGGAATATTCTGACTATAATAAAGCTCTGTGAAGATGCAGTTTGAACAAGAACTTATGAGAAAA
 CACAAGAGTCAAAATTTGATGTCCTTCTGGCAGATGCCGTTAATCCCTGTGGTGAAGCTGCTGGCTGAGC
 TACTTAACATACCCTTTCTGTACAGTCTCCGCTTCTCTGTTGGCTACACAGTTGAGAAGAATGGTGGAGG
 ATTTCTGTTCCCTCCTTCTATGTACCTGTTGTTATGTCAGAATTAAGTGATCAAATGATTTTCATGGAG
 AGGATAAAAAATATGATATATATGCTTTATTTGACTTTTGGTTTCAAGCATATGATCTGAAGAAGTGGG
 ACCAGTTTTATAGTGAAGTCTAGGAAGACCCACTACATTATTTGAGACAATGGGAAAAGCTGAAATGTG
 GCTCATTGCAACCTATTGGGATTTTGAATTTCTCGCCATTCTTACCAATGTTGATTTTGTGGAGGA
 CTTCACTGTAAACCAGCCAAACCCTTGCCTAAGGAAATGGAAGAGTTTGTGCAGAGCTCTGGAGAAAATG
 GTATTGTGGTGTCTCTGCGGTCGATGATCAGTAACATGTGAGAAGAAAGTCCAACATGATTGCATC
 AGCCCTTGCCAGATCCACAAAAGGTTCTATGGAGATTTGATGGCAAGAAGCCAATACTTTAGGTTCC
 AATACTCGACTGTATAAGTGGTTACCCAGAATGACCTTCTTGGTCATCCCAAAACCAAGCTTTTATAA
 CTCATGGTGAACCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCCCTGTT
 TCGCGATCAACATGATAACATTGCTCACATGAAAGCCAAGGGAGCAGCCCTCAGTGTGGACATCAGGACC
 ATGTCAAGTAGAGATTTGCTCAATGCATTGAAGTCAGTCATTAATGACCTATCTATAAAGAGAATATCA
 TGAAATTATCAAGAATTCATCATGATCAACCGGTGAAGCCCTGGATCGAGCAGTCTTCTGGATTGAGTT
 TGTGATGCGCCATAAAGGAGCCAAGCACCTTCGGGTGCGAGCCACAACCTCACCTGGATCCAGTACCAC
 TCTTTGGATGTGATAGCATTCTGCTGGCTGCGTGGCAACTATGATATTTATGATCACAAAATGTTGCC
 TGTTTTGTTCCGAAAGCTTGCCAAAACAGGAAAGAAGAAGAAAAGGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224899 representing NM_001077
 Red=Cloning site Green=Tags(s)

MSLKWMSVFLMLQLSCYFSSGSCGKVLVWPTEYSHWINMKTILEELVQRGHEVIVLTSSASILVNASKSS
 AIKLEVYPTSLTKNDLEDFMFMFDRWTYSISKNTFWSYFSQLQELCWEYSYDNIKLCEDAVLNKLMRK
 LQESKFDVLLADAVNPGCELLAELLNIPFLYSLRFVSGYTVKNGGGFLFPPSYVPMVMSLSDQMIFME
 RIKNMIYMLYDFWFQAYDLKKWDQFYSEVLGRPTTLFETMGKAEMWLIRTYWDFEFPRPFLPNVDFVGG
 LHCKPAKPLPKEMEEFVQSSGENIVVFLGSMISNMSEESANMIASALAQIPQKVLWRFDGKPKNTLGS
 NTRLKWLQNDLLGHPKTKAFITHGGTNGIYEAIYHGIPMVGIPLFADQHDNIAHMKAKGAALSVDIRT
 MSSRDLLNALKSVINDPIYKENIMKLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRVAHNLTWIQYH
 SLDVIAFLLACVATMIFMITKCLFCFRKLAKTGKKKKRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2485_g01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001077

ORF Size: 1590 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

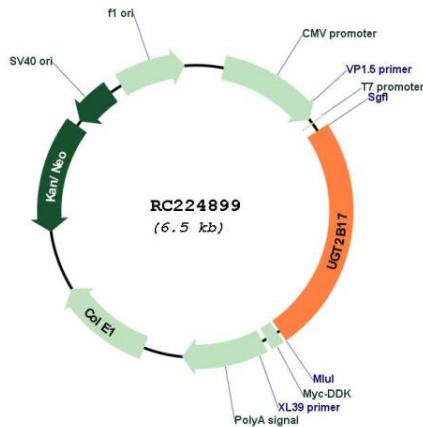
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001077.4](#)

RefSeq Size: 2099 bp
RefSeq ORF: 1593 bp
Locus ID: 7367
UniProt ID: [O75795](#)
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
MW: 61.5 kDa
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]

Product images:



Circular map for RC224899