

## Product datasheet for **RR202733**

### **Ugt2b17 (NM\_153314) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ugt2b17 (NM_153314) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt2b17
Synonyms:	Rlug38; Udpgt; UDPGT 2B5; Udpgtr-3; Ugt2b3; Ugt2b5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR202733 representing NM\_153314  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTGGGAAGTGGATTCTGCTCTTCTCCTGCTACAGATAAGTTGCTGTTTCCAATCTGGGAAGTGTG  
 GGAAGGTGTTGGTGTGGCCGATGGAATTCAGCCACTGGATGAATATAAAAACAATACTGGATGAAGTGT  
 ACAGAGGGGCCATGAAGTCACTGTTCTGAAACCTTCGGCTTACTATGTTCTTGATCCGAAAAATCGCCA  
 GATCTTAAGTTTAAAACCTTCCCTACATCTGTCAGTAAAGATGAACTGGAAAAATTATTCATAAAGCTTG  
 TGGATGTGTGGACTTATGAGTTGCAAAGAGATACATGTTTGTCTTATTCTCCTTACTACAAAATATGAT  
 AGATGGATTTTCTGATTACTATCAAGTCTTGTAAAGACACCGTTTCAAACAAGCAGCTCATGGCAAAA  
 CTACAGGAATCCAAGTTGATGTTCTTTTGTGATCCTGTGGTGCCTGTGGGAGCTGATAGCCGAAG  
 TGCTCCACATTCCTTTCTGTACAGTCTTCGCTTCTCAGGCTACAAAATTGAAAAGTCCAGTGGAAAG  
 ATTTATATTACCTCCATCTTATGTACCAGTAATTTTGTGAGGAATGGGTGGCCCAATGACATTCATAGAC  
 AGGGTAAAAAATATGATATGTACGCTTTATTTGACTTTTGGTTCCATATGTTTAAATGCCAAGAAATGGG  
 ATCCATTTTACAGTGAGATTTTGGGAAGGCCACCCACCTTAGCTGAGACAATGGGCAAAGCAGAAATGTG  
 GCTCATTAGATCCTACTGGGATTTGGAATTTCCCAACCAACATTACCAATGTTGACTATATTGGAGGA  
 CTCCAATGCAGACCTCCTAAACCCTTGCCCAAGGATATGGAAGATTTTGTCCAGAGCTCTGGAGAGCATG  
 GCGTGGTGGTGTCTCTGGGGTCAATGGTCAAGCAGTACAGAGAAGAAAAGGCCAATGCAATTCATG  
 GGCCCTTGCCAGATCCACAAAAGGTTCTTTGGAAATTTGATGGCAAAACCCAGCAACCTTAGGACCC  
 AATACCAGAGTCTACAAGTGGCTTCCCAAGAATGACCTCCTTGGTATCCAAAAACCAAGCCTTTGTAA  
 CTCATATGGAGCCAATGGTGTCTATGAGGCCATCTATCATGGAATCCCTATGGTTGGCATTCTATGTT  
 TGGAGAACAACATGATAACATTGCCACATGGTGGCCAAAGGAGCAGCTGTTACACTGAATATCAGGACA  
 ATGTCAAAGTCAGATTTGTTCAATGCACATAAAGGAAATAATAACAATCCATTCTATAAAAAAATGCTG  
 TGTGGTTGTCAACCATTACCATGACCAACCTATGAAGCCCTGGACAAGGCTGTCTTCTGGATTGAGTT  
 TGTGATGCGCCACAAAGGGGCCAAGCACCTGAGGCCACTGGACATGACCTTCCCTGGTACCAGTACCAC  
 TCTCTGGATGTGATTGGATTCTGCTCACCTGTTGGCAGTCATTGCAGTCTTACTGTAATAATGCTTCT  
 TGTTTATTACCGACTCTTGTGAAGAAGGAAAAGAAAATGAAGAATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202733 representing NM\_153314  
 Red=Cloning site Green=Tags(s)

MPGKWISALLLLQISCCFQSGNCGKVLVWPMESHWMNIKTILDELVQRGHEVTVLKPSAYYVLDPKKSP  
 DLKFETFPTSVSKDELENYFIKLVVWVYELQRDTCLSYPLLQNMIDGFSYYLSLCKDVTYVSNKQLMAK  
 LQESKFDVLLSDPVAACGELIAEVLHIFLYSLRFSYGYKIEKSSGRFILPPSYVPIVLSGMGGPMTFID  
 RVKNMICTLYDFWFHMFNAKKWDPFYSEILGRPTTAEITMGAEMWLIIRSYWDLFPHTLPNVDIYIGG  
 LQCRPPKPLPKDMEDFVQSSGEHGVVVFSLGSMVSSMTEEKANAIAWALAIQPKVWKFVDFGKTPATLGP  
 NTRVYKWLQNDLLGHPKTKAFVTHSGANGVYEAIYHGIPMVGIPMFGEQHDNIAHMKAAVTLNIRT  
 MSKSDLFNALKEIINNPYKKNVWVLSIHHDPMKPLDKAVFWIEFVMRHKGAKHLRPLGHDLPWYQYH  
 SLDVIGFLLTCSAVIAVLTVKCFLFIYRLFVKKEKMKNE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_153314

ORF Size: 1590 bp

OTI Disclaimer: 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\\_153314.2](#), [NP\\_695226.2](#)

RefSeq Size: 1819 bp

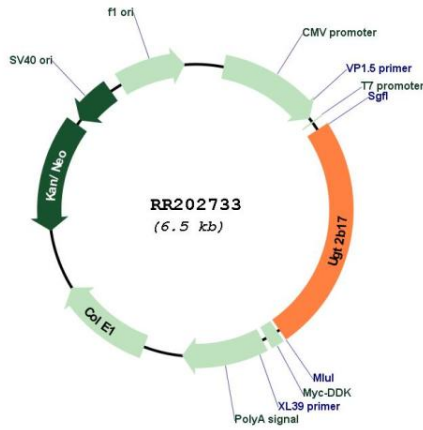
RefSeq ORF: 1593 bp

Locus ID: 266685

UniProt ID: [P08542](#)

**Cytogenetics:** 14p21  
**MW:** 60.5 kDa  
**Gene Summary:** enzyme which glucuronidates testosterone, dihydrotestosterone, and beta-estradiol [RGD, Feb 2006]

**Product images:**



Circular map for RR202733