

## Product datasheet for **RR216863**

### Ugt2b10 (NM\_001191676) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2b10 (NM_001191676) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt2b10
Synonyms:	Ugt2b34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216863 representing NM\_001191676  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGTGAAAAGGACAGCATCCCTGCTCCTGCTCCTGCTCCAGCTGAGTGACTCTTTGGATCTGGAA  
 CTGGTGGGAAGGTGCTAGTGTGGCCAATGGAGTTCAGCCATTGGCTCAACTTAAGGGTGATCCTAGATGA  
 ACTTCTGAAGAAGGGTCATGAAGTGACGGTTCTGAGACCTTCGGCGTCCCTTATCTTATGAGGTTGACAAC  
 ACATCTGCTATTGAATTCGAGACTTATCCTACATCATACTCATTAAGTGGTAGACGAATTTTTCTGGG  
 AATCACTCAGAAAATATATTTATGAGCTGCCAAAGCAGTCATTTTGGGGATACTTTTAAATGTTTCAAGA  
 ATTGGTTTGGGTAGATTCAGATTATTTGAGAGTCTCTGTAAGATGTAGTCTTTAACAAAGAACTCATG  
 ACGAAGCTACAAAACCTGGCTTTGATGTCATCCTGGCAGATCCCTTCATACCCTGTGGTGACCTGCTGG  
 CCGAGATTCTCAAGATACCCTTAGTGTACAGTCTCCGCTTCTTTCTGGCTCCACTTATGAAAAGTACAG  
 TGGAGGACTCCCAATGCCTCCTCTATGTGCCATTGCTATGTCAGAATTAAGCGACAGAATGACATTC  
 GTGGAGAGGATGAAACACATGATCTATGTACTTTGTTTTGACTTTTGGTTCCAAGCATTTAATGAGAAGA  
 AGTGGAACGAGCTTTACACTGAAGTATTAGGAAGACCCACTACACTCTCAGAGACTATGGCAAAGGCAGA  
 CATATGGCTCATTAGGACCTACTGGGATTTGGAATTCCTCACCTGTCTTACCAAATTTTGATTTTGT  
 GGTGGACTCCACTGCAGACCTGCCAAACCCCTGCCTAAGGAAATAGAAGACTTCGTCCAGTCATCTGGAG  
 AACATGGTGTGTGGTGTTCCTGGGGTCGATGGTGGGAAACCTAACAGAAGAAGGGCCAATGTGAT  
 TGCAGCAGGCCTTGCCAGATCCACAGAAGGTTCTTTGGAGATTTGAAGGCAAGAAGCCAGAAACCTTG  
 GGCTCCAACACTCGTCTGTACAAATGGATCCCCCAGAATGACCTTCTAGGTATCCCAAAACCCAGAGCTT  
 TTATAACTCATGGTGGCACCAATGGCATCTATGAGGCAATCTACCACGGGATTCCTGTGGTTGGCATTCC  
 TTTGTTTGGAGATCAATATGACAATATTGTTCACTTGAAGACAAAAGGAGCAGCAGTTAGACTGGACTTT  
 CTCACCATGTCCAGTACAGACTTGTTCACTGCACTGAAGACAATCACTAATGACCCCTCCTATAAGGAGA  
 ATGCCATGAGATTATCAAGAATCCACCAGATCAGCCAGTGAACCTCTGGATAGAGCCGTCTTCTGGAT  
 TGAGTTTGTATGCGTCACAAAGGAGCCAAGCACCTTCGTGTGGCAGCGCATGACCTCAGCTGGTCCAA  
 TACCACCTCTGGATGTCATTGGGTTCTGCTGGCCTGTGTGGTACTGTGATGTTTCATCCTCAAAAAGT  
 GTTGCCTCTTTGTTGTCAGAAGTTTACAAAAGCTGGAAGAAAGAAGAAAAGGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216863 representing NM\_001191676  
 Red=Cloning site Green=Tags(s)

MSVKRTASLLLLLQLSDFFGSGTGKVLVWPMESHVNLNRVILDELLKKGHEVTVLRPSASLSYEVDN  
 TSAIEFETYPTSYSLTEVDEFFWESLRKYIYELPKQSFYFLMFQELVWVDSYFESLCKDVVFNKELM  
 TKLQNSGFDVILADPFIPCGDLLAEILKIPLVYSLRFFPGSTYEKYSGLPMPSPYVPIAMSELSDRMTF  
 VERMKHMIYVLCDFWQAFNEKKWNLVTEVLRPTTLSETMAKADIWLIRTYWDLEFPHVLPNDFV  
 GGLHCRPAKPLPKEIEDFVQSSGEHGVVSLGSMVGNL TEERANVIAAGLAQIPQKVLWRFEGKKPETL  
 GSNTRL YKWIPQNDLLGHPKTRAFITHGGTNGIYEAIYHGIPVVGIPLFGDQYDNI VHLKTKGAAVRLDF  
 LTMSSTDLFTALKTITNDPSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRVAHDL SWVQ  
 YHSLDVIGFLLACVVTVMFILKKCLFCCQKFTKAGRKKKRE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001191676

ORF Size: 1596 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\\_001191676.1](#), [NP\\_001178605.1](#)

RefSeq Size: 1599 bp

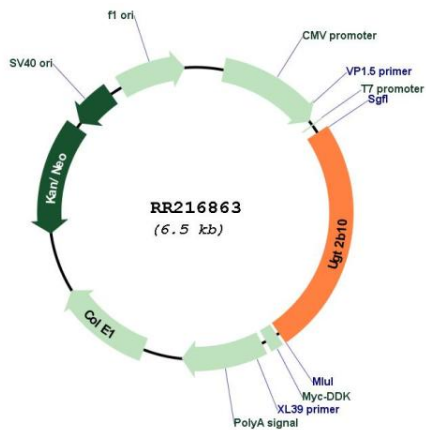
RefSeq ORF: 1599 bp

Locus ID: 305264

Cytogenetics: 14p21

MW: 61.1 kDa

Product images:



Circular map for RR216863