

Product datasheet for **RR209491**

Ugt2b37 (NM_001007264) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2b37 (NM_001007264) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt2b37
Synonyms:	Ugt2b5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR209491 representing NM_001007264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGGAAATGGATTTTGTCTTCTCTTGTCTGCAGATAAGTTTCTGCCTCAGATCTGCGAAATGTG
 GGAAGGTGTTGGTGTGGCCGATGGAATTCAGTCACTGGATGAATATAAAACAATACTGGATGAACCTGT
 ACAGAGGGGCCATGAAGTCACTGTTCTGAAACCTTCAGCTTACTATGTTCTTGATCCAAAAAATCGCCA
 GACCTTAAGTTTGAACTTTCTACATCTGTCAGTAAAGATGAACTGAAAAATATTTCAAAAACCTTG
 TGGATGCGTGGACTTATGAGTTGCAAAGAGATACATGTTTGTCTTTTCTCCTTACTACAAAATATGAT
 GGATGAATTTTCTGATTATTATCTAAGTGTGTTGTAAGACGCCGTTTCAAACAAGCAGCTCATGGCAAAA
 CTACAGGAATCCAAGTTTGATGTTCTTTATCAGATCCTGTGGCTGCCTGTGGGAGCTGATAGCCGAAG
 TGCTCCACATTCCTTTCTGTACAGTCTTCGTGCCTCTCCAGGCCATAAAATTGAAAAGTCCAGTGAAG
 ATTTATACTACCTCCCTCTTATGTGCCTGTAATTTTGTCAAGATTGGGTGGCCAAATGACATTCATAGAC
 AGGGTTAAAAATATGATATGTATGCTTTATTTTGACTTTTGGTTCCATATGTTTAAATGCCAAGAATTGGG
 ATCCATTTTATACTGAGATTTTGGGAAGGCCACACCTTAGCTGAGACAATGGGCAAAGCAGAAATGTG
 GCTCATTAGATCCTACTGGGATTTGGAGTTTCCCCACCAACATTACCAATGTTGACTACATTGGAGGA
 CTCCAATGCAAACCTGCTAAACCTTGCCCAAGGATATAGAAGACTTTGTCCAGAGCTCTGGAGAGCATG
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 GGCCCTTGCCAGATTCACAAAAGGTTCTTTGGAAATTTGATGGCAAAACCCAGCAACCTTAGGACCC
 AATACCAGAGTCTACAAGTGGCTTCCCCAGAATGACCTCCTTGGTCATCCAAAAACCAAGCCTTTGTAA
 CTCATGGTGGAGCCAATGGTGTCTATGAGGCCATCTATCATGGAATCCCTATGATTGGCATTCTATGTT
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 ATGTCAAAGTCAGATTTGTTCAATGCACTTAAGGAAGTAATAACAATCCTTTCTATAAAAAAATGCTA
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 TGTGATGCGCCACAAAAGAGCCAAGCACCTGAGACCACTGGACATAACCTTCCCTGGTACCAGTACCAC
 TCTCTGGATGTATTGGATTCTGCTAGCCTGTTTGGCAGTCATTGCAGCCCTTGCTGTAAATGCTTCT
 TGTTCAATTACCGATTCTTGCAAAGAAGCAAAAGAAAATGAAGAATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209491 representing NM_001007264
 Red=Cloning site Green=Tags(s)

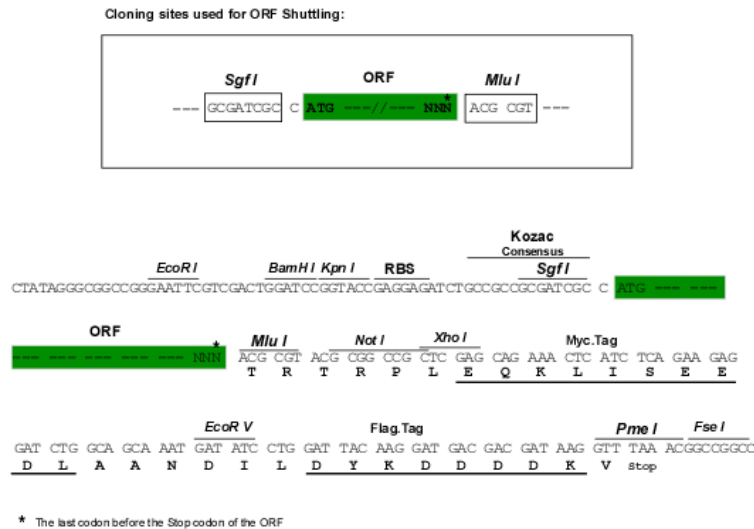
MPGKWIFALLLLQISFCLRSACGKVLVWPMESHWMNIKTILDELVQRGHEVTVLKPSAYYVLDPKKSP
 DLKFETPTS SVSKDELEKYFIKLVDAWTYELQRDTCLSFSPLLQNMDEFSDYYLSVCKDAVSNKQLMAK
 LQESKFDVLLSDPVAACGELIAEVLHIPFLYSLRASPCHKIEKSSGRFILPPSYVPVILSGLGGQMTFID
 RVKNMICMLYDFWFHMFNAKNWDPFYTEILGRPTTLAETMGKAEMWLIRSYWDLEFPHTLPNVDIYIGG
 LQCKPAKPLPKDIEDFVQSSGEHGVVVFSLGSMVSSMTEEKANAVAWALAQIPQKVLWKFDGKTPATLGP
 NTRVYKWLQNDLLGHPKTKAFVTHGGANGVYEAIYHGIPMIGIPMFGEQHDNIAHMAVAKAAVTLNIRT
 MSKSDLFNALKEVINNPYKKNAMWLSTIHDQPMKPLDKAIFWIEYVMRHKRAKHLRPLGHNLPWYQYH
 SLDVIGFLLACLAVIAALAVKCFLEIYRFFAKKQKKMKNE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001007264

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_001007264.3](#), [NP_001007265.3](#)

RefSeq Size: 1896 bp

RefSeq ORF: 1593 bp

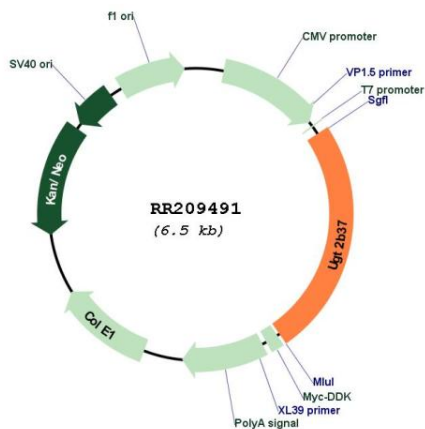
Locus ID: 29623

Cytogenetics: 14p21

MW: 60.6 kDa

Gene Summary: a steroid UDP-glucuronosyltransferase; involved in the glucuronidation of testosterone and dihydrotestosterone [RGD, Feb 2006]

Product images:



Circular map for RR209491