

Product datasheet for **RN214873**

Ugt2b7 (NM_173323) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2b7 (NM_173323) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ugt2b7
Synonyms:	UDPGT 2B7; Ugt2b8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214873 representing NM_173323
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCAGAAGTGGATTCTGCTCTGCTCCTACTGCAGATAAGTTTCTGCTTCAGATCTGGAACTGTG
 GGAAAGTGTGGTGTGGCCATTGGAATACAGTCACTGGATGAATTTAAAGATAACTGGATGAACCTGT
 ACAGAGGGGACATGAAGTCACTGTTCTCAGACCTTCATCTTCCGCTCTCTTGTATCCAAAAAGCATCT
 GGTCTTGATATGAAACATCTCCTACAACCTCCAATAATGATGAAGTAGAAAAGTCTTTTTACCCAGTGG
 GTGATATGTGGACATACGATGTGCCAAAATACATGTTTGTAGATACTACCCATCTTTGAACAAAATGTT
 CGGGCAATTTTCTGATTTGTGGTTACAGCTTTGTAGAGAAGTTGTTTCAAACAAGGAACTATAGCAAAA
 CTAAGGAATCCAGTTTGTGTGGTTCTTTAGATGCTGTTGGTCCCTGTGGTGTAGCTGATAGCTGAGA
 TACTGCAGTTACCATTTGTGTACAGTCTTCGCTTTGCCACCGCCCTGGAATAGAAAAGTACAGTGCAGG
 ACAACCTTCCCTCCCTCTTATGTACCTATTATTTTGTCCAGGATTTAGTGGTCAAATGACATTCATGGAG
 AGAGTGGAAAATATGCTATGTTTACTTTATTTTATTCTCGTTCGATCATTTCCTGCTAAGGATTGGG
 ATCCATTTTTTTCAGCGAAATTTTAGGAAGACCCACTACAATGGTTGACACAATGAAGAAAAGCAGAAATATG
 GCTCATTCCGGTCTACTGGGACTTGGAGTTTCCCGCCCATCCTTGCCAAACATTGAGTTTGTGGAGGA
 CTTCACTGCCAACCTGCCAAACCATACCTAAGGAAATGGAAGACTTTGCACAGAGCTCAGGAGAACATG
 GTGTGTGGGTGTTTTCTCTGGGGTCGATGATCAGGAACATAACACAAGAAAAGGGCTAACACAATTGCATC
 AGCCCTGGCACAATCCACAAAAGGTTTTTTGGAGATTTGAGGGCAAGAAACCAGACACCTTAGGACCC
 AATACTCGGGTGTCAAGTGGATACCCAGAATGACCTTCTTGGTATCCAAAACTAAGGCTTTTGTAA
 CTCATGGTGGAGCCAATGGCATCTATGAGTCAATCCATTATGGGATCCCCCATGGTTGGCATCCCTTT
 ATTTGCAGAACAACGTGATAACGTTGCTCACATGGTAGCCAAGGAGCAGCTGTTTCTATAGATTTTCAT
 ACAATGTCAGTTTCTGCTCAACGCACTGAAGGCAGTCATCAATAACCCCTCTATAAAAAAGAAAG
 TGATGTGGTTGTGAGCCATTACCATGACCAGCCTCTGAAGCCTCTGGACAGAGCAGTCTTCTGGATTGA
 GTTTGTGATGCGTCACAAAGGGGCCAAGCATCTGAGACCCTTGCACATAACCTTGCCCTGGTATCAGTA
 CACTCTCTGGATGTGATTGGATTCTGCTTGCCTGTGTGCTGGCCATTGTTTTACTTGCTGTAAAATGCT
 GTCTGTTTCTTACCATTGTTTTGTAAGGTGGCAAGAATAAAAGGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173323

Insert Size: 1593 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_173323.1](#), [NP_775445.1](#)

RefSeq Size: 1947 bp

RefSeq ORF: 1593 bp

Locus ID: 286989

UniProt ID: [Q62789](#)

Cytogenetics: 14p21

Gene Summary: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. Plays a role in steroid metabolism and is active with Is also active with androsterone, hyodeoxycholic acid and tetrachlorocatechol (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]