

Product datasheet for **RN215066**

Ugt1a1 (NM_012683) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a1 (NM_012683) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ugt1a1
Synonyms:	Udpgt; UDPGT 1-1; Ugt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215066 representing NM_012683
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGGTGTGCCGAGCTCATGTTGCTTCTGCTTCTCCGTGCCTTCTGCTGTGTGTGTTGGGTC
 CCTCTGCGTCCCATGCTGGGAAGCTGTTAGTGATCCCATAGATGGCAGCCACTGGCTGAGTATGCTCGG
 AGTTATTCAGCAGCTCCAGCAAAAAGGGGCACGAAGTGGTGGTCATAGCACCTGAAGCTTCGATACACATA
 AAAGAAGGATCATTTTACACTATGAGGAAGTACCCTGTGCCATTCAAAAATGAAAACGTGACAGCTGCTT
 TTGTGGAAGTGGGCGGAGTGTCTTTGATCAAGATCCTTTTCTGCTGCGTGTGGTAAAACATACAACAA
 AGTCAAAAGGGACTCCAGTATGCTGTCTGGCTGCTCCACCTTCTGCACAATGCCGAGTTTATGGCC
 TCTCTGGAACAAAGCCACTTTGATGCTCTGCTGACAGACCCTTTCCTCCGTGTGGCTCCATTGTGGCC
 AGTACCTGTCTCTGCCTGTGTACTTCTTGAATGCATTGCCATGCAGCCTGGATTTGGAAGCCACCCA
 ATGCCCTGCTCCGTTGTCTACGTGCCAAGAGTTTGTCTCGAACACAGATCGCATGAACTTCTCGAG
 CGGGTGAAGAACATGATTATTGCTTTGACAGAGAACTTCTATGCAGAGTGGTTTACTCCCCCTATGGGT
 CACTTGCCACTGAAATCTTACAGAAAGAGGTGACTGTCAAGGACCTTCTGAGTCTGCATCTATCTGGCT
 GATGAGAAACGACTTTGTGAAAGATTACCCAGGCCCATCATGCCAACATGGTTTTTATTGGTGGGATA
 AACTGCCTTCAGAAAAAGCCCTATCCCAGGAATTTGAAGCCTATGTCAACGCCTCCGGAGAACATGGCA
 TCGTGGTTTTCTTTGGGATCCATGGTCTCAGAGATCCAGAGAAGAAAGCGATGGAAATTGCTGAGGC
 TTTGGGCAGAATTCCTCAGACGGTCTGTGGCGCTACACCGGAACTAGACCATCGAACCTTGCAAGAAC
 ACTATTCTGTCAAATGGCTACCCAAAACGATCTGCTGGTTCATCCAAAGGCTCGGGCGTTCATCACAC
 ACTCCGGTCCCATGGTATTTATGAAGGAATATGCAATGGGTTCCAATGGTGATGATGCCCTTGTGGG
 TGATCAGATGGACAACGCCAAGCGCATGGAACCTCGGGGAGCTGGGGTGACCCTGAATGTCTGGAATG
 ACTGCCGATGATTTGAAAACGCCCTTAAAACGTGTCATCAATAACAAGAGTTACAAGGAGAACATCATGC
 GCCTCTCCAGCCTTACAAAGGACCGTCTATCGAGCCTTGGACCTGGCTGTGTTCTGGGTGGAGTACGT
 GATGAGGCACAAGGGGGCCACACCTGCGCCCGCCGCCACGACCTCACCTGGTACCAGTACCCTCC
 TTGGACGTGATTGGCTTCTCCTGGCCATCGTGTGACGGTGGTCTTATTGTCTATAAAAGTTGTGCTT
 ATGGCTGCCGAAATGCTTTGGGGAAAGGGTCGAGTGAAGAAATCACACAAATCCAAGACCCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012683

Insert Size: 1608 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_012683.2](#), [NP_036815.1](#)

RefSeq Size: 2259 bp

RefSeq ORF: 1608 bp

Locus ID: 24861

UniProt ID: [Q64550](#)

Cytogenetics: 9q35

Gene Summary: catalyzes the glucuronidation of bilirubin; plays a role in bilirubin conjugation and excretion [RGD, Feb 2006]