

Product datasheet for **RR200236**

Ugt1a6 (NM_057105) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a6 (NM_057105) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a6
Synonyms:	Udpgt; UDPGT 1-6; Ugt1; Ugt1a7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200236 representing NM_057105
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTGCCTTCTTCTGCTGCTCGACTTCTGCAGGCTTCTCTTCTTAGTGCTCGGGCTCAGTTC
 TAGGTGACAAGCTGCTGGTGGTCCCCAGGATGGCAGCCACTGGCTTAGCATGAAGGAGATAGTGGAGCA
 CCTCAGTGAACGCGGACACGACATTGTGGTGTAGTGCCAGAAGTCAATTTGCTTTGGGAGAATCCAAA
 TACTACAGGAGGAAAAGCTTCCCGTCCCTACAACCTAGAAGAGTTGCGGACCCGCTATCGCTCCTTTG
 GGAACAACCATTGCTGCCAGTCCCCCTGATGGCTCCTCTAAGAGAGTACAGGAACAACATGATTGT
 CATTGACATGTGCTTTTTCAGCTGCCAGAGCTCCTGAAGGACTCGGCCACCCTCAGTTCCTCAGGGAG
 AACCGTTTGTGCTCTGTTACAGACCCGGCCATGCCCTGTGGTGTGATCCTGGCTGAGTATCTCAAGC
 TGCCCTCCGTCTACCTCTTCAGAGGTTTCCCATGCTCTCTGGAGCACATGCTTGGTCAAAGCCCAAGCCC
 CGTATCCTATGTTCCAGATTCTACACCAAATTCTCAGACCACATGACATTTCCCAACGGCTGGCCAAC
 TTCATTGCTAACATCTTGGAAGAACTACCTTTATCATTGTCTGACTCAAAGTATGAGATCCTTGCCTCAG
 ACCTCCTCAAGAGAGATGTGTCCTACCTGCCTTACACCAGAACTCTCTGTGGCTGTTACGGTATGATTT
 TGTGTTCGAATACCCCGGCCAGTCATGCCCAACATGATCTTCATTGGAGGGACCAACTGCAAGAAGAAG
 GGAACCTGTCTCAGGAATTTGAAGCCTATGTCAACGCCCTCCGGAGAACATGGCATCGTGGTTTTCTCTT
 TGGGATCCATGGTCTCAGAGATTCCAGAGAAGAAAGCGATGGAATTTGCTGAGGCTTTGGGCAGAATTCC
 TCAGACGGTCTGTGGCGCTACACCGAACTAGACCATCGAACCTTGCAAGAACACTATTCTTGTCAA
 TGGTACCCCAAAACGATCTGCTTGGTCATCAAAGGCTCGGGCGTTCATCACACTCCGGTCCCATG
 GTATTTATGAAGGAATATGCAATGGGTTCCAATGGTGTGATGATGCCCTTGTGGTGTGATGACAA
 CGCCAAGCGCATGGAAGAACTCGGGGAGCTGGGTGACCCTGAATGCCTGGAATGACTGCCGATGATTTG
 GAAAACGCCCTTAAAAGTGCATCAATAACAAGAGTTACAAGGAGAACATCATGCGCCTCTCCAGCCTT
 ACAAGGACCGTCTATCGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAGTACGTGATGAGGCACAAGGG
 GGCGCCACACCTGCGCCCGCCGCCACGACCTCACCTGGTACCAGTACCCTCCTTGGACGTGATTGGC
 TTTCTCTGGCCATCGTGTGACGGTGGTCTTATTGTCTATAAAAGTTGTGCCTATGGCTGCCGGAAT
 GCTTTGGGGAAAGGGTCGAGTGAAGAAATCACACAAATCCAAGACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200236 representing NM_057105
 Red=Cloning site Green=Tags(s)

MACLLPAARLPAGFLFLVLWGSVLGDKLLVVPQDGSWLSMKEIVEHLSERGHDIVVLVPEVNLLLGESK
 YYRRKSFVPYNYLEELRTRYRSFGNNHFAASSPLMAPLREYRNNMIVIDMCF FSCQSLLKDSATLSFLRE
 NQFDALFTDPAMPCGVILAEYLKLPVYLFRGFPCSLEHMLGQSPSPVSYVPRFYTKFSDHMTFPQRLAN
 FIANILENYLYHCLYSKYEILASDLLKRDVSLPALHQNSLWLLRYDFVFEYPRPVMNMIFIGGTNCKKK
 GNL SQEFEAYVNASGEHGIVVFLSGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGTRPSNLAKNTILVK
 WLPQNDLLGHPKARAFITHSGSHGIEGICNGVPMVMPLFGDQMDNAKRMETRGAGVTLNVLEMTADDL
 ENALKTVINNKSYPENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAAHDLTWYQYHSLDVIG
 FLLAIVLTVVFIYKSCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_057105

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_057105.3](#), [NP_476446.2](#)

RefSeq Size: 2313 bp

RefSeq ORF: 1593 bp

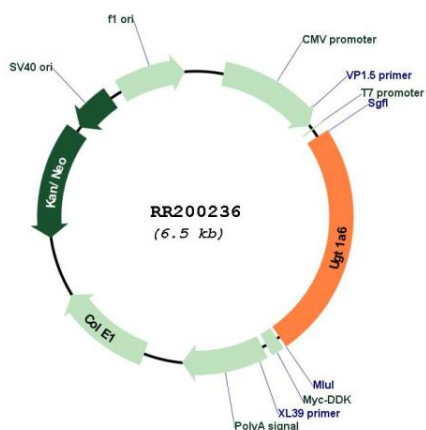
Locus ID: 113992

Cytogenetics: 9q35

MW: 60.2 kDa

Gene Summary: catalyzes the glucuronidation of 4-nitrophenol [RGD, Feb 2006]

Product images:



Circular map for RR200236