

## Product datasheet for **MR208467**

### Ugt2a2 (NM\_001024148) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2a2 (NM_001024148) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt2a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208467 representing NM\_001024148  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATCAAGAAGTTTTACAGCTGCTTATTTTTCACTTGGCTCTGGCTGAAATTGTTCTCAGCGGGAATG  
 TGGTAGTTTGGCCTACAGATGGCAGCCATTGGCTAAATATTAAGATTCTTCTTGAGGAGTTGGTTCAAAG  
 AAATCACAGTGTGACTGTACTGGCTCCATCAGAACTTTATTTATCAACTCCAGACTTGATGCCTTTATA  
 AATTTTGAAGAGATTCCGGTTTCGTACACAAAAAGCAAGATAGATGAAATAATTGAGCATATGATAGCAC  
 TGTGGCTGGACCAGGCCAACGCCTCTCACAATGTGGACTTTCTACAAAGAACTAGGAAATCTCCTTGC  
 TACTTTCTACACAACCAATAAGCAAATGTGTGATGGTGTACTAAACAATCCCACTGTAATGGAAAGACTG  
 CAAAAAGTGGCTTCGATGTGTTACTAGCTGACCCAGTAAACAATGTGTGGAGAGCTGGTGGCTCTGAAAT  
 TGGGGATTCCCTTTGTGTATACACTACGCTTCTCTCCAGCCTTTACAGTGGAGAGGCATTGTGGGAAAT  
 TCCTGCCCCATCTCATACGTACCTGCAGCCCTGTGAGAGCTCACTGACCAGATGCTTTTTGGTGAAGG  
 GTTAAGAATATCATTTCTTATTCTCTGCAAGACTATATATTTAAGACCTACTGGGGAGAATGGAATTCAT  
 ACTACAGCAAAGTTCTAGGAAGCCACCACACTGTGTGAGACTATGGGGAAAGCTGAGATTTGGCTAAT  
 GCGAACCTATTGGGATTTGAATTTCTCGTCCATATTTACCGAATTTGAGTTTGTGGGAGGACTGCAC  
 TGCAAACCTGCCAAGCCTTTACCTAAGGAAATGGAAGAGTTTGTCCAGACCTCAGGGGAACATGGTATTG  
 TGGTGTTCCTCTGGGGTCAATGGTCAAAAACCTGACAGATGAAAAGGCCAATCTCATTGCCTCAGCCCT  
 TGCCCAGATTCTCAGAAGGTTTGTGGCGATACAAAGGAAAGATACCAGACACATTAGGATCCAATACA  
 AGACTGTTTGATTGGATTCCCTCAGAATGATCTTCTTGGACATCCCAAAACCAGAGCTTTTATCACCCATG  
 GTGGAACAAATGGAATCTATGAGGCTATTTACCATGGGATCCCTATGGTGGGAGTGCCCATGTTTCGCTGA  
 CCAGCCTGACAACATTGCTCACATGAAGGCCAAAAGGAGCAGCAGTGGAGGTGAACATGAACACGATGACA  
 AGCTCAGATCTGCTCAATGCTCTGAGAACAGTCATCAATGAGCCATCTTATAAAGAGAATGCCATGAGAC  
 TATCAAGAATCCACCATGACCAGCCAGTGAAGCCCTGGACCGAGCAGTCTTCTGGATTGAGTTTGTGAT  
 GCGTCACAAAGGAGCCAAGCACCTTCGTGTGGCAGCCCATGACCTCAGCTGGTTTCAGTACCCTCTCTG  
 GATGTAATTGGGTTTCTGCTGGCCTGTGTGGCATCTGCTATATTATTGGTTGCAAAATGTTGTTGTTTA  
 TATTTCAAAAAGTTGGTAAGACAGGAAAGAAGAAAAACGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208467 representing NM\_001024148  
 Red=Cloning site Green=Tags(s)

MIKKVLQLLIFHLTLAEIVLSGNVVVWPTDGSWLNLIKILLEELVQRNHSVTVLAPSETLFINSRDAFI  
 NFEEIPVSYTKSKIDEIEHMIALWLDHRPTPLTMWTFYKELGNLLATFYTTNKQMCQDGLVNNPTVMERL  
 QKGGFDVLLADPVTMCGELVALKLGIPFVYTLRFSPAFTVERHCGKIPAPISYVPAALSELTDQMSFGER  
 VKNIISYSLQDYIFKTYWGEWNSYYSKVLGRPTTLCETMGKAEIWLRTYWDFEPRPYLPNFEFVGGLH  
 CKPAKPLPKEMEEFVQTSGEHGI VVFSLGSVMKNTLDEKANLIASALAQIPQKVLWRYKGIPTDLGNSNT  
 RLFWDWIPQNDLLGHPKTRAFITHGGTNGIYEAIYHGIPMVGVPMFADQPDNIAHMKAKGAAVEVNMNTMT  
 SSDLLNALRTVINEPSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRVAADHLSWFQYHSL  
 DVIGFLLACVASAILLVAKCCLFIFQKVGKTGKKKKRD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_g12.zip](https://cdn.origene.com/chromatograms/mm9015_g12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001024148

**ORF Size:** 1584 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\\_001024148.1](#), [NP\\_001019319.1](#)

**RefSeq Size:** 2595 bp

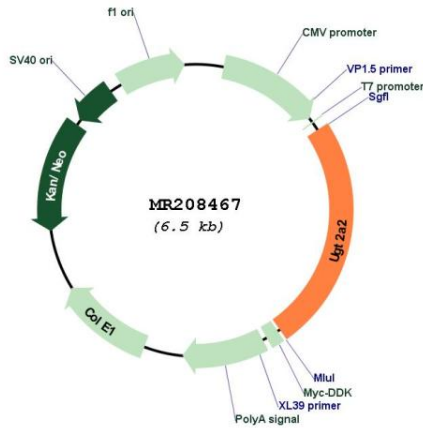
**RefSeq ORF:** 1587 bp

**Locus ID:** 552899

**UniProt ID:** [Q6PDD0](#)

**Cytogenetics:** 5 E1  
**MW:** 60.4 kDa  
**Gene Summary:** UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208467