

Product datasheet for **MR208568**

Ugt1a1 (BC093516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a1 (BC093516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a1
Synonyms:	UGT1A01, UgtBr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208568 representing BC093516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTGGTGTCTGGAGCTCGCGTTTGCTTCTGCTTCTCCGTACCTTCTGTGTGTGTGTTGGTC
 CCTCTGCATCCCATGCTGGGAGGCTGTTAGTGTCCCTATGGATGGAAGCCACTGGCTGAGTATGCTTGG
 AGTTATTCAGCAGCTCCAGCAGAAGGGGCAGAAAGTTGTGGTCATAGCACCTGAAGCCTCAATACACATA
 AAAGAAGGATCATTTTACTCTGAGGAAGTCCCTGTGCCATCCAGAAGGAAAATGTGACAGCTACTT
 TGGTGGAACTTGGACGGACTGCCTTTAATCAAGATTCTTTTCTGCTGCGCGTGGTCAAAAATATATGAA
 AGTCAAAAGGATTCCAGTATGCTCCTAGCTGGCTGCTCCACCTGCTGCACAATGCCGAGTTTATGGCC
 TCTCTGGAAGAAAGTCACTTTGATGCTCTGCTGACAGACCCTTCCCTCCCTGTGGCTCCATTGTGGCC
 AGTACCTGACTGTGCCACTGTGTACTTCTTGAATAAATTGCCATGCAGCCTGGATTGAGAAGCTACCCA
 ATGCCCGTCCCATTGTCTACGTGCCCAAGATTTGTCTTCAACTCAGACCGCATGAACTTCCCTACAG
 CGAGTGAAGAACGTGCTCCTGGCCGTGTGAGAACTTTATGTGAGAGTGGTTTATTCCCCTATGGGT
 CACTTGCCACTGAAATCTTACAGAAAGAGGTGACTGTCCAGGATCTTCTGAGCCCTGCATCTATCTGGT
 GATGAGAAGTGAATTTGTGAAAGATTACCCAGGCCCATCATGCCAACATGGTTTTTATTGGTGGTATA
 AATTGCCCTTCAGAAAAAGCCCCTATCCCAGGAATTTGAAGCCTATGTCAACGCCTCTGGGGAGCATGGCA
 TCGTGGTTTTCTTTGGGATCCATGGTCTCAGAGATCCGGAGAAGAAAGCCATGGAAATTGCTGAGGC
 TTTGGGCAGAATCCTCAGACGGTCTGTGGCGCTACCCGGAAGTAGACCATCGAATCTTGAAAGAAC
 ACAATCTTGCAAAATGGCTACCCAAAATGATCTGCTGGTTCATCCAAGACTCGGGCATTATCACAC
 ACTCTGGCTCCCATGGTATTTATGAAGGAATATGCAATGGAGTCCGATGGTGTGATGCCCTATTTGG
 CGATCAGATGGACAATGCCAAGCGCATGAAACTCGGGGAGCTGGGGTGAACCTGAATGTCTTGAATG
 ACTGCTGATGATTTGAAATGCCTTAAACTGTGATCAACAACAAGAGCTACAAGGAGAATCATGTC
 GCCTCTCCAGCCTTACAAGGACCGTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGT
 GATGAGGCACAAGGGGGCACCACCTGCGCCCGCCCATGACCTCACCTGGTATCAGTACCACTCC
 TTGGATGTGATTGGCTTCTCCTGGCCATTGTGTTGACAGTGGTCTTATTGTCTTTAAATGTTGTGCT
 ATGGCTGCCGAAATGCTTTGGGGAAAGGGGCGAGTGAAGAAATCACACAAATCCAAGACCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208568 representing BC093516
 Red=Cloning site Green=Tags(s)

MTVVCWSSRLLLLLPIYLLLCVFGPSASHAGRLLVFPMDGSHWLSMLGVIQQLQKKGHEVVVIAPEASIIH
 KEGSFYTLRKFVPVFKENVATLVELGRTAFNQDSFLLRVVKIYMKVKRDSMMLLAGCSHLLHNAEFMA
 SLEESHFDALLTDPFLPCGSIVAQYLTVPTVYFLNKLPCSLDSEATQCPVPLSYVPKSLSFNSDRMFLQ
 RVKNVLLAVSENFMCRVVYSPYGLATEILQKEVTVQDLLSPASIWLMRSDFVKDYPRPIMPNMVFIGGI
 NCLQKKPLSQEFEAYVNASGEHGIVVFLSGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGTTPSNLAKN
 TILVKWLPQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAGVTLNVLEM
 TADDLENALKTVINNKSYPENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAAHDLTWYQYHS
 LDVIGFLLAIVLTVVFIIVFKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: BC093516

ORF Size: 1605 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: [BC093516.1](#)
RefSeq Size: 2201 bp

RefSeq ORF: 1607 bp

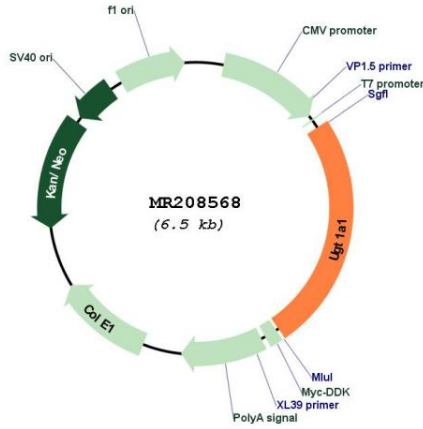
Locus ID: 394436

Cytogenetics: 1 44.55 cM

MW: 80.6 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 MR208568