

Product datasheet for **MC204865**

Ugt1a6a (NM_145079) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a6a (NM_145079) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ugt1a6a
Synonyms:	UDPGT; UDPGT 1-6; UGT1-06; UGT1.6; Ugt1a6; Ugt1a7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC069940
 CAGATGCTGGCTGATGGTGGCTGACTGGAAACCGACTTCCAGATTTCTTACTCTTGCTCAAGGGCCCTCA
 TCACGTGCTACCTAGAGGCACAGGTCTCTAACCTTACTATCTGACAGGATGGCTTGCCTTCTTCTGCTG
 CTCAGACACTTCTGCAGGGTTTCTCTTCTAGTGCTTTGGGCCTCAGTTCTAGGTGACAAGCTGCTGGT
 GGTCCTCCAGGATGGAAGCCACTGGCTTAGCATGAAGGAGATAGTGGAACATCTCAGTGAACGAGGACAT
 GACATTATGGTCCTAGTGCCAGAAGTCAATTTGCTTTTGGGAGAATCAAATACTACAGGAGGAAAATCT
 TCTCAGTTACCTACAGCCTAGAGGAACACAGACCCGTTTTCGCACCTTTGGAAACAACCACTTTCTTCC
 CAGTGCCGCCCTGATTGGTCCTCTAAGAGAGTACAGGAACAACATGATTGTCGTGGACATGTGCTTTTTC
 AGCTGCCAGAGCCTCCTGAAGGACTCTGCCACCCTCAGCTTCTCAGGGAGAACAAGTTTGATGCTCTGT
 TCACAGACCCAGCCATGCCCTGTGGTGTGATCCTGGCTGAGTATCTCAACCTGCCCTCTGTCTACCTCTT
 CAGAGGTTTCCCATGCTCTCTGGAACACATGCTTGGTCAAAGCCCAAGCCCTGTGTCTACGTTCCAGAG
 TTCTACACCAAATCTCAGACCACATGACATTTCCCAACGGCTGGCCAACTTTATTGTTAACATCTTGG
 AAAACTACCTATATTATTGTCTGTATTCAAAGTATGAAATCATTGCCTCAGACCTCTCAAGAGAGATGT
 GTCCCTACCTTCTTACACCAGAATTCTCTGTGGCTGTTACGGTACGATTTTGTGTTTCAATATCCAGG
 CCAGTCATGCCAACATGATCTTATTGGAGGGATCAACTGTAAGAAGAAGGGAAGCTGACTCAGGAAT
 TTGAAGCCTATGTCAACGCCCTCTGGGGAGCATGGCATCGTGGTTTTCTCTTTGGGATCCATGGTCTCAGA
 GATTCCCGAGAAGAAAGCCATGGAATTTGCTGAGGCTTTGGGCAGAAATCCTCAGACGGTCTGTGGCGC
 TACACCGGAACCTAGACCATCGAATCTTGCAAAGAACACAATTCTGTCAAATGGCTACCCCAAAATGATC
 TGCTTGGTCATCCAAAGACTCGGGCATTTCATCACACACTCTGGCTCCCATGGTATTTATGAAGGAATATG
 CAATGGAGTTCGGATGGTGTGATGCCCCATTTGGCGATCAGATGGACAATGCCAAGCGCATGGAACCT
 CGGGGAGCTGGGTGACCTGAATGTCTTGAATGACTGCTGATGATTGGAAAATGCCCTTAAACTG
 TCATCAACAACAAGAGCTACAAGGAGAACATCATGCGCCTCTCCAGCCTTCACAAGGACCGTCTATAGA
 GCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGTGATGAGGCACAAGGGGGCACCACCTGCGCCCG
 GCCGCCCATGACCTCACCTGGTATCAGTACCACTCCTTGGATGTGATTGGCTTCTCTCTGGCCATTGTGT
 TGACAGTGGTCTTCATTGTCTTTAAATGTTGTGCTATGGCTGCCGGAATGCTTTGGGGGAAAGGGGCG
 AGTGAAGAAATCACACAAATCCAAGACCCATTGAGAAGTGGGGGGAAGTGAAGGAGAAGTATTAGTTCAT
 TATCTGATCAGTTGAACTTGGAAACAAGTGTTAGATCCATATTGTTTTGTTAGGGAAATAATTCACCA
 TACATTATACATTGACACATTTAAAAATAATAATAACAATCTAATTGCTGGCCACACCCATCAGGG
 AAGTTTCTAGTATATGTGATGTGCTTTTCCAGTATCTTCAGTCTAGACAACCTTTGCCATCTGTTGGTAA
 TTTACAGAAAGTCTGGCACTCTGCTTTTCCAGTGACAGCCCCACAGTTTCCCCTGCTCCCGCCAGCTGATGG
 CTTTCTCCCTGGATTCTCAGACTGCCGTGGCCTTCTCCAGTGTTAGTCATTCTTATTGTGTTTCATGCA
 TTATGGGTAGCAAGACCTTTGGAGCTTTGGGAGAAGAGATGAGGCTGTGACACTGATGGCCTGTGTTTG
 AGATAATAATTGTTGCTGTGCGGAATTTGATGAAAACCAAAGTATGTTCTAAGGCAAGTACATCTTCT
 ATTGTGTTCCCAACCAAGAACTTATCAATAAATTCATATAAATTGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145079

Insert Size: 1596 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC069940](#), [AAH69940](#)

RefSeq Size: 2303 bp

RefSeq ORF: 1596 bp

Locus ID: 94284

UniProt ID: [Q64435](#)

Cytogenetics: 1 D

Gene Summary: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. Conjugates small planar phenolic molecules such as 4-nitrophenol, 1-naphthol, and 4-methylumbelliferone. The bulky phenol 4-hydroxybiphenyl, androgens and estrogens are not substrates. 2-hydroxybiphenyl is an excellent substrate.[UniProtKB/Swiss-Prot Function]