

Product datasheet for **MR220870**

Ugt1a7c (NM_201642) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a7c (NM_201642) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a7c
Synonyms:	A10 ¹ ; A13; Ugt1a10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220870 representing NM_201642
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTCGAGACTTTCCAGCCTCCCTTCTCTGTGTGTGCTGCTGCTGGCCTCTGGCTTGCCCC
 AGGCAGGCAGGCTGCTGGTGGTCCCATGGATGGGAGCCACTGGTTTACGATGCAGACGGTTGTGGAGAA
 ACTCCTTCACAAAAGCCATGAGGTCGTAGTGGTTGTTCCGGAGGTGAGTTGGCAGCTGACGAAACCATTG
 AATTTTGTAGTAAAACATATGCAGTTTCTCATACGCAGGAGGATTTAAACCGGGAGTTCAAGATTTTAA
 TTGATGCACAATGAAAAGTCAAGCAGGAGGAGGAATACTTCTCTGCTTATTCTCCAGCCAAAGGTTT
 CTTGCAATTACTGTTTTCACTGTAGGAGTTGTTTAAACGACAAGAAGTTAGTGAATACTTGAAGCAG
 ACTTCTTTTGTGCTGTGTTTCTGGATCCTTCGATGTGTGCGGCTTAACTGTAGCCAAGTACTTTTCTC
 TCCCATCCGTGGTCTTCCAGCAGGGAATATTTTGTATTATCTTGAAGATGCTGCCAGTCCCCAGTCC
 TCCTTCTTATATCCCAGAAATGCTTTAAAATTCACAGACCCATGACTTTCAAGGAAAGAACTCGGAAC
 CTTTTGGCCTACATGGGGAGCGTGCATTTTGTACATAAGTTTTTCAAAGTGCTGCAGATATTGCCCTCTG
 AAGTTCTCCAGACCCAGTACTATGACAGACCTCTTCCAGCCAGTGTCCATTTGGTTGTTACGCACAGA
 CTTTGTCTGGAGTTCCCAAGCCTGTGATGCCCAATGTGATCTACATTTGGTGGAAATCAACTGCCACCAG
 GGAAAGCCACTTTCCAAGGAATTTGAAGCCTATGTCAACGCCTCTGGGGAGCATGGCATCGTTGTTTTCT
 CTTTGGGATCCATGGTCTCAGAGATCCGGAGAAGAAAGCCATGGAAATGCTGAGGCTTTGGGCAGAA
 TCCTCAGACGGTCTGTGGCGCTACACCGGAAGTAGACCATCGAATCTTGCAAAGAACACAATCTTGTGC
 AAATGGTACCCCAAAATGATCTGCTTGGTTCATCAAAGACTCGGGCATTATCACACACTCTGGCTCCC
 ATGGTATTTATGAAGGAATATGCAATGGAGTCCGATGGTGTGATGATGCCCTATTTGGCGATCAGATGGA
 CAATGCCAAGCGCATGAAACTCGGGAGCTGGGGTACCTGAATGTCCTTGAATGACTGCTGATGAT
 TTGAAAAATGCCCTTAAACTGTATCAACAACAAGAGCTACAAGGAGAATCATGCGCCTCTCCAGCC
 TTCACAAGGACCGTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGTGATGAGGCACAA
 GGGGGCACACCTGCGCCCGGCCCATGACCTCACCTGGTATCAGTACCCTCCTTGGATGTGATT
 GGCTTCTCTGGCCATTGTGTTGACAGTGGTCTTATTGTCTTTAAATGTTGTGCCTATGGCTGCCGGA
 AATGCTTTGGGGAAAGGGGCGAGTGAAGAAATCACACAATCCAAGACCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220870 representing NM_201642
 Red=Cloning site Green=Tags(s)

MAPADFPASLPLCVCLLLASGLAQAGRLLVVPMDGSHWFTMQTVVEKLLHKGHEVVVVVPEVSWQLTKPL
 NFVVKTYAVSHTQEDLNREFKIFIDAQWKSQEGGILPLLDSPAKGFELLFSHCRSLFNDKKLVEYLKQ
 TSFDAVFLDPFDVCGLTVAKYFSLPSVFSRGIFFCHYLEDAACQPSPPSYIPRMLLKFTDTMTFKERTRN
 LLAYMGERAFCHKFFKSAADIASEVLQTPVTMTDLFSPVSIWLLRDFVLEFPRPMPNVIYIGGINCHQ
 GKPLSKEFEAYVNASGEHGI VVFSLGSVMSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILV
 KWLPQNDLLGHPKTRAFITHSUSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRAGVTLNVLEMTADD
 LENALKTVINNKSYKENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAHDLTWYQYHSLDVI
 GFLLAIVLTVVFI VFKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9086_e08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_201642

ORF Size: 1593 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_201642.4](#), [NP_964004.1](#)

RefSeq Size: 3294 bp

RefSeq ORF: 1596 bp

Locus ID: 394432

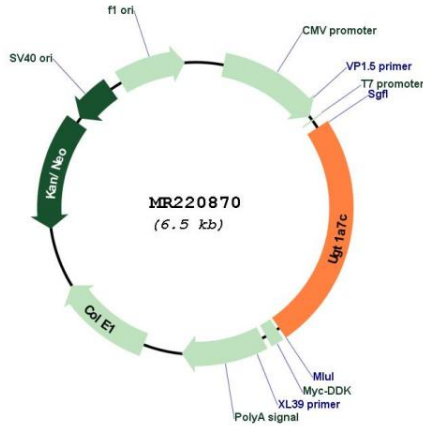
UniProt ID: [Q6ZQM8](#)

Cytogenetics: 1 D

MW: 59.8 kDa

Gene Summary: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform has specificity for phenols. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220870