

Product datasheet for **MR220222**

Ugt1a9 (NM_201644) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a9 (NM_201644) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a9
Synonyms:	mUGTBr/P; UDPGT; UDPGT 1-9; UGT1-09; UGT1.9; Ugt1a12; UGTP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220222 representing NM_201644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCTGTAGCCTTTCCACCTCCTTTTTCTCTGTCTGCTTCTGGCCTCTGGCTTGGCCAGGCAG
 GCAGGCTGCTGGTGGTGCATGGATGGAAGCCACTGGTTCACCATGCAGATGGTTGGAGAACTCAT
 TCACAGAGGGCATGAGGTTGTGGTAGTCATCCCAGAGGTGAGTTGGCAGCTGGGAAATCACTGAATTGT
 ACAGTGAAGACTTACTCAATTTCTCACACTCTGGAAGACCTGGACAGAGAGTTCAAGATTTATCTTACA
 CTCAATGGAAAACCCAGAACACAGTACGTTCTTTCTGACTGGTTCAGCCAGAGGTTCTTTGAACT
 AACATTTTCACTGCAGGAGTTTGTAAACGACAAGAAGTTAGTGGAGTACTTGAAGCAGAGATTTTT
 GATGCAGTGTCTGGATCCTTCGATGTGTGGATTAATTGTCGCCAAATATTTCTCGCTCCCATCAG
 TGATCTTTCAGAGGTGATTTTGTGACTATCTGAAGAGGGTCCCAGTGCCAAGTCTTCTTCTCCTA
 TGTTCTAGACTTTTCTAAAATACACAGACACCATGACTTTCAGGAGAGAGTGTGAACCATCTATC
 TACATTGAAGAACATGCATTTTGTCTCTACTTTTTAAGAAGTGTGTTGAAGTTCATCTGAAATCTTC
 AGACCCAGTGCATGACAGACCTTTAGCCAGTGTCTATTTGGTGTACGCACTGACTTTGTGT
 GGAGTTCCCAGGCTGTGATGCCTAACATGGTCTTATTGGTGGGATCAACTGCCTCCAGAAGAAGTCA
 CTTTCAAAGGAATTTGAGCCTATGTCAACGCCTCTGGGAGCATGGCATCGTTGTTTTCTTTGGGAT
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 GGTCTGTGGCGCTACACCGAAGTACCATCGAATCTTGAAGAACAACAATCTTGTCAAATGGCTA
 CCCCCAAATGATCTGCTGGTTCATCAAAGACTCGGCATTATCACACACTCTGGCTCCCATGGTATT
 ATGAAGGAATATGCAATGGAGTCCGATGGTGTGATGCCCTATTTGGCGATCAGATGGACAATGCCAA
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 ACACCTGCGCCCGGCCCATGACCTCACCTGGTATCAGTACCACTCCTTGGATGTGATTGGCTTCTCCTC
 CTGGCCATTGTGTTGACAGTGGTCTTATTGTCTTTAAATGTTGTGCCTATGGCTGCCGAAATGCTTTG
 GGGAAAGGGCGAGTGAAGAAATCACACAATCCAAGACCCAT

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Protein Sequence:

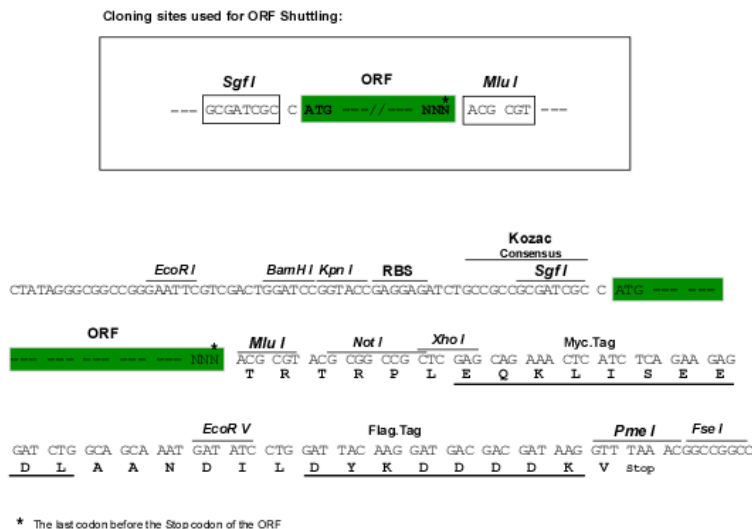
>MR220222 representing NM_201644
 Red=Cloning site Green=Tags(s)

MAPVAFPTSFLLCLLLASGLAQAGRLLVVPMDGSHWFTMQMVVEKLIHRGHEVVVVIPEVSWQLGKSLNC
 TVKTYISHTLEDLDREFKLSYQWKTPHESIRSFLTGSARGFFELTFSHCRSLFNDKKLVEYLKQRF
 DAVFLDPFDVCGLIIVAKYFSLPSVIFARGVFDYLEEGAQCPSLPSYVPRFLSKYTDMTFKERVNHLI
 YIEEHAFCSYFLRTAVEVASEILQTPVTMDLFSVSIWLLRTDFVLEFPRPMPNMVFIGGINCLQKKS
 LSKEFEAYVNASGEHGIVVSLGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILVKWL
 PQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAGVTLNVLEMTADDLEN
 ALKTVINNKSYPENIMRSLSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAADHLTWYQYHSLDVI
 GLFLAIVLTVVFIIVFKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_201644

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_201644.2](#), [NP_964006.2](#)

RefSeq Size: 3216 bp

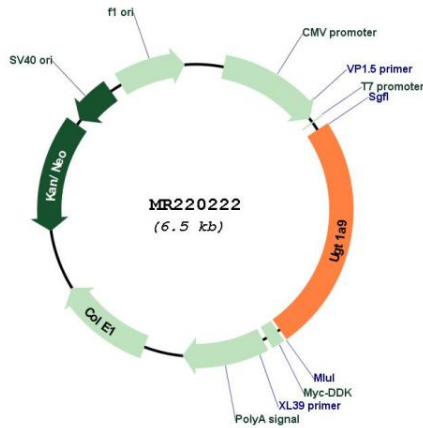
RefSeq ORF: 1587 bp

Locus ID: 394434

UniProt ID: [Q62452](#)

Cytogenetics: 1 D
MW: 60 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 MR220222