

## Product datasheet for **MG220222**

### **Ugt1a9 (NM\_201644) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ugt1a9 (NM_201644) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ugt1a9
Synonyms:	mUGTBr/P; UDPGT; UDPGT 1-9; UGT1-09; UGT1.9; Ugt1a12; UGTP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220222 representing NM\_201644  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTCCTGTAGCCTTTCCACCTCCTTTTTTCTCTGTCTGCTTCTGGCCTCTGGCTTGGCCAGGCAG  
 GCAGGCTGCTGGTGGTGCATGGATGGAAGCCACTGGTTCACCATGCAGATGGTTGGAGAACTCAT  
 TCACAGAGGGCATGAGGTTGTGGTAGTCATCCCAGAGGTGAGTTGGCAGCTGGGAAATCACTGAATTGT  
 ACAGTGAAGACTTACTCAATTTCTCACACTCTGGAAGACCTGGACAGAGAGTTCAAGATTTATCTTACA  
 CTCAATGGAAAACCCAGAACACAGTACGTTCTTTCTGACTGGTTCAGCCAGAGGTTCTTTGAACT  
 AACATTTTCACTGCAGGAGTTTGTAAACGACAAGAAGTTAGTGGAGTACTTGAAGCAGAGATCTTTT  
 GATGCAGTGTCTGGATCCTTCGATGTGTGGATTAATTGTCGCCAAATATTTCTCGCTCCCATCAG  
 TGATCTTTGCAAGAGGTGATTTTGTGACTATCTTGAAGAGGGTGGCCAGTGCCTCAAGTCTTCTTCTCA  
 TGTTCTAGACTTTTCTAAAATACACAGACACCATGACTTTCAAGGAGAGAGTGTGAACCATCTTATC  
 TACATTGAAGAACATGCATTTTGTCTCTACTTTTTAAGAAGTGTGTTGAAGTTGCATCTGAAATCTTC  
 AGACCCAGTACTATGACAGACCTTTAGCCAGTGTCTATTTGGTGTACGCACTGACTTTGTGT  
 GGAGTTCCCAGGCTGTGATGCCTAACATGGTCTTATTGGTGGGATCAACTGCCTCCAGAAGAAGTCA  
 CTTTCAAAGGAATTTGAGCCTATGTCAACGCCTCTGGGGAGCATGGCATCGTGGTTTTCTTTGGGAT  
 CCATGGTCTCAGAGATCCGGAGAAGAAAGCCATGGAATTTGCTGAGGCTTTGGGCAGAAATCCTCAGAC  
 GGTCTGTGGCGCTACACCGAACTAGACCATCGAATCTTGAAGAACAACAATCTTGTCAAATGGCTA  
 CCCCCAAATGATCTGCTTGGTCACTCAAAGACTCGGCATTATCACACACTCTGGCTCCCATGGTATT  
 ATGAAGGAATGCAATGGAGTCCGATGGTATGATGCCCTATTTGGCGATCAGATGGACAATGCCAA  
 GCGCATGGAAGACTCGGGGAGCTGGGGTACCTGAATGTCTTGAATGACTGCTGATGATTTGGAAAAT  
 GCCCTTAAAAGTGTATCAACAACAAGACTACAAGGAGAACATCATGCGCTCTCCAGCCTTACAAGG  
 ACCGCTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGTGATGAGGCACAAGGGGCACC  
 ACACCTGCGCCCGGCCCATGACCTCACCTGGTATCAGTACCCTCCTGGATGTGATTGGCTTCTCTC  
 CTGGCCATTGTGTGACAGTGGTCTTATTGTCTTTAAATGTTGTGCCTATGGCTGCCGAAATGCTTTG  
 GGGAAAGGGCGAGTGAAGAAATCACACAATCCAAGACCCAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220222 representing NM\_201644  
 Red=Cloning site Green=Tags(s)

MAPVAFPTSFLLCLLLASGLAQAGRLLVPMDSHWFTMQMVVEKLIHRGHEVVVVIPEVSWQLGKSLNC  
 TVKTYISHTLEDLDREFKYLSTQWKTPHESIRSFLTGSARGFFELTFSHCRSLFNDKLLVEYLKQRSF  
 DAVFLDPFDVCGILIVAKYFSLPSVIFARGVFCDYLEEGGQCPSLPSYVPRLF SKYTDMTFKERVNHLI  
 YIEEHAFCSYFLRTAVEVASEILQTPVTMTDLFSPVSIWLLRTDFVLEFPRPVMNMFVIGGINCLQKKS  
 LSKEFEAYVNASGEHIVVFLGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGTRPSNLAKNTILVKWL  
 PQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAGVTLNVLEMTADDLEN  
 ALKTVINNKSYPENIMRSLSLHKDRPIEPLDLAVFVVEYVMRHKGAPHLRPAHDLTWYQYHSLDIVIGFL  
 LAIVLTVVFIIVFKCCAYGCRKCFGGKGRVKKSHKSKTH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul



<b>ACCN:</b>	NM_201644
<b>ORF Size:</b>	1584 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_201644.1</a>
<b>RefSeq Size:</b>	3216 bp
<b>RefSeq ORF:</b>	1587 bp
<b>Locus ID:</b>	394434
<b>UniProt ID:</b>	<a href="#">Q62452</a>
<b>Cytogenetics:</b>	1 D
<b>Gene Summary:</b>	UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds.[UniProtKB/Swiss-Prot Function]