

## Product datasheet for **MR212678**

### Ugt1a5 (NM\_201643) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a5 (NM_201643) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR212678 representing NM\_201643  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGACTCCGCATGCCCTACAAGGATTAGTGGGGCTGCTCCTGCTGTGTGCCCTGCCTTGGACTGAAG  
 GTGAGAAGGTGCTAGTGTTCCTGTGGGGGAAGCCACTGGCTGAGCATGAGGGATGTTGTGAGAGAGCT  
 CCACGCCCAAGGTCAACGACTGTGGTCTGGCTCCAGAGGTGAACATGCGCATCAAAGAAGAGGACTTT  
 TTCACCTTCAAAGTCTATGCCGTTCCCTATACAAGACAAGAATTGGAAGAAATGATGAAAAACCTTAAAG  
 TGTTTTTGTACACAGGAACTATATGAAGAAAATCTTTAAAACATCTGAGGCTTTGAGAAACATGTCAAC  
 CGTTCTCTTAAAGACTTGTACAAATATATTGCACAACGAGTCCCTGCTCCACCACCTGAATTCAGCTCC  
 TTTGATGTAGTCTTACAGATCCCGTGTTCCTGTGGGGCATTGTTGGCCAAGTACTTAGTATTCCTG  
 CTGTGTTCTTTACGATACATCCCTGTGGCATAGAATATGAGGCCACACAGTGTCCAAGCCCTCCTC  
 TTATATCCGAACCTATTCACAAGGCTTCCGACCACATGGACTTCCTGCAAAGGTCAGAACATGCTG  
 TACCATCTGGTCTTGAAGTACATTTGCCATTTATTGATCACTCCCTATGAAAGCCTGGCCTCTGAGCTTT  
 TTCAGAGAGAAGTGTCTCAGTGGAGCTTTTCAGCTATGCATCCGTGTGGCTGTTCCGAGGGGACTTTGT  
 ACTCGACTACCCAGGCCATCATGCCTAACATGGTCTTCATTGGGGGCATAAATGTGTTACCAAGAAG  
 CCCCTCTCTCAGGAATTTGAAGCCTATGTCAACGCCTCTGGGGAGCATGGCATCGTTGTTTTCTCTTTGG  
 GATCCATGGTCTCAGAGATTCGGGAGAAGAAAGCCATGGAATTTGCTGAGGCTTTGGGCAGAAATTCCTCA  
 GACGGTCTGTGGCGCTACACCGAACTAGACCATCGAATCTTGCAAAGAACAATTCTTGTCAAATGG  
 CTACCCCAAAATGATCTGCTTGGTCATCCAAGACTCGGGCATTACACACACTCTGGCTCCCATGGTA  
 TTTATGAAGGAATATGCAATGGAGTCCGATGGTGTGATGATGCCCTATTTGGCGATCAGATGGACAATGC  
 CAAGCGCATGGAACCTCGGGGAGCTGGGGTGACCTGAATGTCTTGAATGACTGCTGATGATTTGGAA  
 AATGCCCTTAAAAGTGTATCAACAACAAGAGCTACAAGGAGAACATCATGCGCCTCTCCAGCCTTCACA  
 AGGACCGTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGTGGAATACGTGATGAGGCACAAGGGGGC  
 ACCACACCTGCGCCCGCCGCCATGACCTCACCTGGTATCAGTACCCTCCTGGATGTGATTGGCTTC  
 CTCCTGGCATTGTGTTGACAGTGGTCTTCATTGTCTTTAAATGTTGTGCCTATGGCTGCCGAAATGCT  
 TTGGGGAAAGGGGCGAGTGAAGAAATCACACAAATCCAAGCCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR212678 representing NM\_201643  
 Red=Cloning site Green=Tags(s)

MGLRMPLQGLVGLLLCALPWTEGEKVLVFPVGGSHWLSMRDVVRELHAQGHQTVVLAPEVNMRIKEEDF  
 FTFKVYAVPYTRQEEEMMENLKVFFDTGNMCKIFKTSEALRNMSTVLLKTCNTILHNESLLHHLNSSS  
 FDVVFTDPVFPFGALLAKYLGIPAVFFLRYIPCGIEYEATQCPSPSSYIPNLFTRLSDHMDFLQRVQNM  
 YHLVLKYICHLLITPYESLASELFQREVSSVELFSYASVWVFRGDFVLDYPRPIMPNMVF IGGINCVTKK  
 PLSQEFAYVNASGEHGI VVFSLGSVMSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILVKW  
 LPQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADDLE  
 NALKTVINNKSYKENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAAHDLTWYQYHSLDVI  
 GFLLAIVLTVVFI VFKCCAYGCRKCFGGKGRVKKSHKSKTH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

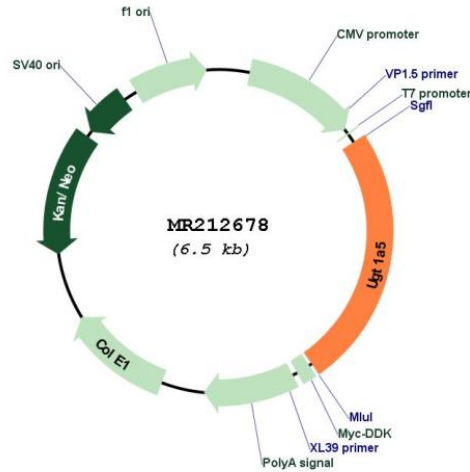
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_201643
<b>ORF Size:</b>	1587 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).

**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\\_201643.2](#), [NP\\_964005.2](#)

**RefSeq Size:** 3208 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 394433

**Cytogenetics:** 1 D

**MW:** 60.1 kDa