

Product datasheet for **MG212678**

Ugt1a5 (NM_201643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a5 (NM_201643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ugt1a5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212678 representing NM_201643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACTCCGCATGCCCTACAAGGATTAGTGGGGCTGCTCCTGCTGTGTGCCCTGCCTTGGACTGAAG
 GTGAGAAGGTGCTAGTGTTCCTGTGGGGGAAGCCACTGGCTGAGCATGAGGGATGTTGTGAGAGAGCT
 CCACGCCCAAGGTCACCAGACTGTGGTCTGGCTCCAGAGGTGAACATGCGCATCAAAGAAGAGGACTTT
 TTCACCTTCAAAGTCTATGCCGTTCCCTATAACAAGACAAGAATTGGAAGAAATGATGAAAAACCTTAAAG
 TGTTTTTTGACACAGGAACTATATGAAGAAAATCTTTAAAACATCTGAGGCTTTGAGAAACATGTCAAC
 CGTTCTCTTAAAGACTTGTACAAATATATTGCACAACGAGTCCCTGCTCCACCACCTGAATTCCAGCTCC
 TTTGATGTAGTCTTACAGATCCCGTGTTCCTGTGGGGCATTGTTGGCCAAGTACTTAGGTATTCCTG
 CTGTGTTCTTTACGATACATCCCTGTGGCATAGAATATGAGGCCACACAGTGTCCAAGCCCTCCTC
 TTATATCCGAACCTATTACAAGGCTTCCGACCACATGGACTTCCTGCAAAGGTCAGAACATGCTG
 TACCATCTGGTCTTGAAGTACATTTGCCATTTATTGATCACTCCCTATGAAAGCCTGGCCTCTGAGCTTT
 TTCAGAGAGAAGTGTCTCAGTGGAGCTTTTCAGCTATGCATCCGTGTGGCTGTTCCGAGGGGACTTTGT
 ACTCGACTACCCAGGCCATCATGCCTAACATGGTCTTCATTGGGGGCATAAATGTGTTACCAAGAAG
 CCCCTCTCTCAGGAATTTGAAGCCTATGTCAACGCCTCTGGGGAGCATGGCATCGTTGTTTTCTCTTTGG
 GATCCATGGTCTCAGAGATTCGGGAGAAGAAAGCCATGGAATGCTGAGGCTTTGGGCAGAATTCCTCA
 GACGGTCTGTGGCGCTACACCGAACTAGACCATCGAATCTTGCAAAGAACACAATTCTGTCAAATGG
 CTACCCCAAAATGATCTGCTTGGTCATCCAAGACTCGGGCATTACACACACTCTGGCTCCCATGGTA
 TTTATGAAGGAATATGCAATGGAGTCCGATGGTGTGATGATGCCCTATTTGGCGATCAGATGGACAATGC
 CAAGCGCATGGAAGCTCGGGGAGCTGGGGTGACCCTGAATGTCTTGAATGACTGCTGATGATTTGGAA
 AATGCCCTTAAAAGTGTATCAACAACAAGAGCTACAAGGAGAACATCATGCGCCTCTCCAGCCTTCACA
 AGGACCGTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGTGGAATACGTGATGAGGCACAAGGGGGC
 ACCACACCTGCGCCCGCCGCCATGACCTCACCTGGTATCAGTACCCTCCTGGATGTGATTGGCTTC
 CTCCTGGCATTGTGTTGACAGTGGTCTTATTGTCTTTAAATGTTGTGCCTATGGCTGCCGAAATGCT
 TTGGGGAAAGGGGCGAGTGAAGAAATCACACAAATCCAAGCCCAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212678 representing NM_201643
 Red=Cloning site Green=Tags(s)

MGLRMPLQGLVGLLLCALPWTEGEKVLVFPVGGSHWLSMRDVVRELHAQGHQTVVLAPEVNMRIKEEDF
 FTFKVYAVPYTRQELEEMMENLKVFFDTGNMCKIFKTSEALRNMSTVLLKCTNINHNSLLHHLNSSS
 FDVVFVDFVPCGALLAKYLGIPAVFFLRYIPCGIEYEATQCPSPPSSYIPNLFTRLSDHMDFLQRVQNM
 YHLVLKYICHLLITPYESLASELQREVSSVELFSYASVWVFRGDFVLDYPRPIMPNMVFIGGINCVTKK
 PLSQEFAYVNASGEHGI VVFSLGS MVSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILVKW
 LPQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADDLE
 NALKTVINNKSYKENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAHDLTWYQYHSLDVI
 GFLLAIVLTVVFI VFKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_201643

ORF Size: 1587 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_201643.2](#), [NP_964005.2](#)

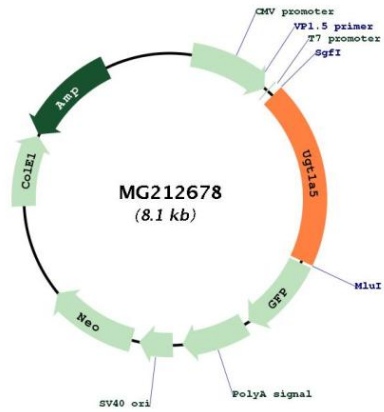
RefSeq Size: 3208 bp

RefSeq ORF: 1590 bp

Locus ID: 394433

Cytogenetics: 1 D

Product images:



Circular map for MG212678