

Product datasheet for **MG220870**

Ugt1a7c (NM_201642) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a7c (NM_201642) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ugt1a7c
Synonyms:	A10 ⁺ ; A13; Ugt1a10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220870 representing NM_201642
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTCGAGACTTTCCAGCCTCCCTTCTCTGTGTGCCTGCTGCTGGCCTCTGGCTTGCCCC
 AGGCAGGCAGGCTGCTGGTGGTCCCATGGATGGGAGCCACTGGTTTACGATGCAGACGGTTGTGGAGAA
 ACTCCTTCACAAAGGCCATGAGGTCGTAGTGGTTGTTCCGGAGGTGAGTTGGCAGCTGACGAAACCATTG
 AATTTTGTAGTAAAACATATGCAGTTTCTCATACGCAGGAGGATTTAAACCGGGAGTTCAAGATTTTAA
 TTGATGCACAATGGAAAAGTCAAGCAGGAGGAGGAATACTTCTCTGCTTATTCTCCAGCCAAAGGTTT
 CTTGCAATTACTGTTTTCACTGTAGGAGTTGTTTAAACGACAAGAAGTTAGTGAATACTTGAAGCAG
 ACTTCTTTTGTGCTGTGTTTCTGGATCCTTCGATGTGTGCGGCTTAACTGTAGCCAAGTACTTTTCTC
 TCCCATCCGTGGTCTTCCAGCAGGGAATATTTTGTATTATCTTGAAGATGCTGCCAGTCCCCAGTCC
 TCCTTCTTATATCCCAGAAATGCTTTAAAATTCACAGACCCATGACTTTCAAGGAAAGAACTCGGAAC
 CTTTTGGCCTACATGGGGAGCGTGCATTTTGTATAAGTTTTTCAAAGTGCTGCAGATATTGCCCTCTG
 AAGTTCTCCAGACCCAGTACTATGACAGACCTCTTCCAGCCAGTGTCCATTTGGTTGTTACGCACAGA
 CTTTGTCTGGAGTTCCCGAGACCTGTGATGCCCAATGTGATCTACATTGGTGGAAATCAACTGCCACCAG
 GGAAAGCCACTTTCCAAGGAATTTGAAGCCTATGTCAACGCCTCTGGGGAGCATGGCATCGTTGTTTTCT
 CTTTGGGATCCATGGTCTCAGAGATCCGGAGAAGAAAGCCATGGAAATGCTGAGGCTTTGGGCAGAA
 TCCTCAGACGGTCTGTGGCGCTACACCGGAAGTAGACCATCGAATCTTGCAAAGAACAATCTTGTGC
 AAATGGTACCCCAAAATGATCTGCTTGGTTCATCAAAGACTCGGGCATTATCACACACTCTGGCTCCC
 ATGGTATTTATGAAGGAATATGCAATGGAGTTCGGATGGTATGATGCCCTATTTGGCGATCAGATGGA
 CAATGCCAAGCGCATGGAAGACTCGGGGAGCTGGGGTGACCCTGAATGTCCTTGAATGACTGCTGATGAT
 TTGAAAAATGCCCTTAAACTGTATCAACAACAAGAGCTACAAGGAGAATCATGCGCCTCTCCAGCC
 TTCACAAGGACCTCCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGTGATGAGGCACAA
 GGGGGCACCACACTGCGCCCGGCCCATGACCTCACCTGGTATCAGTACCCTCCTTGGATGTGATT
 GGCTTCTCTGGCCATTGTGTTGACAGTGGTCTTATTGCTTTAAATGTTGTGCCTATGGCTGCCGGA
 AATGCTTTGGGGAAAGGGGCGAGTGAAGAAATCACACAATCCAAGACCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220870 representing NM_201642
 Red=Cloning site Green=Tags(s)

MAPADFPASLPLCVCLLLASGLAQAGRLLVVPMDGSHWFTMQTVVEKLLHKGHEVVVVVPEVSWQLTKPL
 NFVVKTYAVSHTQEDLNREFKIFIDAQWKSQQEGGILPLLDSPAKGFPELLFSHCRSLFNDKKLVEYLKQ
 TSFDAVFLDPFDVCGTLVAKYFSLPSVVFVRGIFCHYLEDAAQCPSPSYIPRMLLKFTDMMFKERTRN
 LLAYMGERAFCHKFFKSAADIASEVLQTPVTMTDLFSPVSIWLLRDFVLEFPRPVMPNVIYIGGINCHQ
 GKPLSKEFEAYVNASGEHGIIVFSLGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGTRPSNLAKNTILV
 KWLQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADD
 LENALKTVINNKSYKENIMRLSSLHKDRPIEPLDLAVFWVEYVMRHKGAPHLRPAHDLTWYQYHSLDVI
 GFLLAIVLTVVFIKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLE - GFP Tag - V

Restriction Sites:

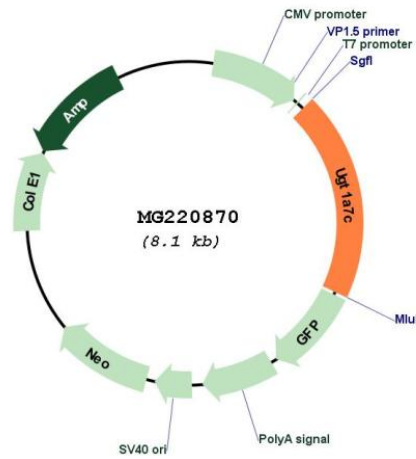
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]