

Product datasheet for **MG212723**

Ugt1a10 (NM_201641) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a10 (NM_201641) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ugt1a10
Synonyms:	A13; Ugt1a13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212723 representing NM_201641
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTCCTGCAGCCTTTCCACCTCTCTCTCTGTGTGTGTCTGCTCCTGGCCTCTGGCTTGGTCC
 AGGCAGGCAGGCTGCTGGTGGTCCCATGGATGGGAGCCACTGGTTCGACATGCAGATGGTGTGGAGAA
 ACTCATTACAGAGAGGCATGAGGTTGTGGTAGTCATCCCAGAGGTGAGTTGGCGGCTGGGAAATCCCTG
 AATTGTACAGTGAAGACTTACTCGGTTTCTCACACTCTGGAGGACCTGGACAGAGAGTTCAAGTATTTTA
 CTTACACTCAATGGAAAACCTCAGAACAAGTATACGTTCTTTCATGACAGGCTCAGCTAGAGGTTTCTT
 TGAAGTAAATGTTTTCACACTCTAGGGGTTTGTAAATGACAAGAAGTTAGTGGAGTACTTGAAGCAGAGA
 TCTTTTGTAGCAGTGTCTGGATCCTTCGATGTATGTGGATTAATTGTTGCCAAGTATCTGCTACTCC
 CATCAGTGATCTTGAAGACTTTCATTTTGTACTATCTTGAAGAGGGTGGCCAGTGCCCGAGTCTTCT
 TTCTTATGTTCTAGACTTTTCTAAAATACACAGACACCATGACTTTCAAGGAGAGAGTGTGGAACCAT
 TATATGTACATTGAAGACTATGTATCTTGCCCTATTTTTTCAAACTGCTGTTGAAATTGCCTCTGAAG
 TTCTGCAGACCCAGTACTATGACAGACCTCTTAGCCAGTGTCTATTTGGTTGTACGCACTGACTT
 TGTGTTGGAGTTCCCGAGACCTGTGATGCCCAACATGGTCTTGTGGTGGGATGAACTGTCTCCAGGGG
 AAGCCACTTTCCAAGGAATTTGAAGCCTATGTCAACGCCCTCTGGGAGCATGGCATCGTTGTTTTCTCT
 TGGGATCCATGGTCTCAGAGATCCGGAGAAGAAAGCCATGGAATGCTGAGGCTTTGGCAGAATTCC
 TCAGACGGTCTGTGGCGCTACACCGGAAGTACCATCGAATCTTCAAAGAACAACAATCCTTGTCAA
 TGGTACCCCAAAATGATCTGCTGGTTCATCAAAGACTCGGGCATTATCACACACTCAGGCTCCCATG
 GTATTTTGAAGGAATATGCAATGGAGTCCGATGGTGTGATGATGCCCTATTTGGCGATCAGATGGACAA
 TGCCAAGCGCATGGAAGACTCGGGGAGCTGGGTGACCCCTGAATGTCCTTGAATGACTGCTGATGTTG
 GAAAATGCCCTTAAAAGTGCATCAACAACAAGAGCTACAAGGAGAATCATGCGCCTCTCCAGCCTT
 ACAAGGACCGTCTATAGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAATACGTGATGAGGCACAAGGG
 GGCACCACACCTGCGCCCGCCGCCATGACCTCACCTGGTATCAGTACCACTCCTTGGATGTGATTGGC
 TTCCTCTGGCCATTGTGTTGACAGTGGTCTTCTTAAATGTTGTGCCTATGGCTGCCGGAAT
 GCTTTGGGGAAAGGGGCGAGTGAAGAAATCACACAAATCCAAGACCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212723 representing NM_201641
 Red=Cloning site Green=Tags(s)

MVPAAFPTSLPLCVCLLLASGLVQAGRLLVVPMDGSHWFDMMQVVEKLIQRGHEVVVVIPEVSWRLGKSL
 NCTVKTYSVSHTLEDLDREFKYFTYTQWKTPESIRSFMTGSARGFFELMFSHSRGLFNDKKLVEYLKQR
 SFDAVFLDPFDVCGLIIVAKYLSLPSVIFARLSFCYYLEEGAQCPSLLSYVPRLF SKYTDMTFKERVNH
 YMYIEDYVSCPYPFFKTAVEIASEVLQTPVTMTDLFSPVSIWLLRTDFVLEFPRPVMPNMVFGGMNCLQG
 KPLSKEFEAYVNASGEHGI VVFSLGSMVSEIPEKKAMEIAEALGRIPQTVLWRYTGTRPSNLAKNTILVK
 WLPQNDLLGHPKTRAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADDL
 ENALKTVINNKSYPENIMRLSSLHKDRPIEPLDLAVFVVEYVMRHKGAPHLRPAAHDLTWYQYHSLDVI
 GFLLAIVLTVVFI VFKCCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLE - GFP Tag - V

Restriction Sites:

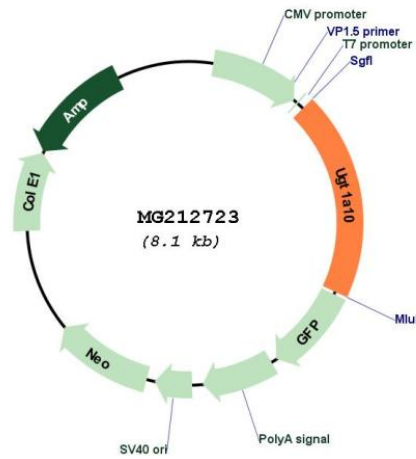
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_201641
ORF Size:	1590 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_201641.2 , NP_964003.2
RefSeq Size:	3242 bp
RefSeq ORF:	1593 bp
Locus ID:	394430
Cytogenetics:	1 D