

Product datasheet for **RR201581**

Ugt2a3 (NM_001135869) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2a3 (NM_001135869) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt2a3
Synonyms:	RGD1308444
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201581 representing NM_001135869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTCTGTAAAATGGGCTGTGGCAATTTTTCTGTTGCAGCTTGTCTGGAGTGGCTGTGGCATCTGCA
 GCAAGGTCTTGTGTGGCCTGTGATATGAGCCACTGGCTGAATCTCAAGACTATTCTTGAGGAACTCGC
 AGCAAGAGGGCATGAGGTGACAGTCCTGAAATATCCCAGTATTATCATAGATCAGAGTAAACTTACTCCA
 CTGCAGTTCGAGAATATCCCTGTGCTGTATGAAACTGAGGTTGCCGAGAATCATCTAAATGAAATTGTAA
 ACCTAGCTGTGAACGTTATTCCAAACCTGTCACTGTGGGAAGCAGCAAGAACACTTCAAGATTTCTTTCT
 TCAGCTGACTGGCAATTTGAAGATCTCTGTAGGAGTACATTGTACAACCAGACACTCATGAACAAGCTA
 CGGGATGCAAAAATATGATGTAATGGTTTTGGACCCTGTCATTCCCTGTGGAGAGCTGGTGGCAGAAGTAC
 TTCAGATCCCTTTTGAACACATTGAGGTTGAGCATGGGCTACTCCATGGAGAAATACTCGGCCAACT
 TCCAGTCCACTTTCGTATGTACCGGTTGTCATGGGTGAACTAACAGACCATATGACCTTACAGAGAGG
 GTGAAAAATATGATGCTTCACTGTTTTTTGAGTTTTGGCTCCAGCAATATGACTTTGCATTCTGGGATC
 AGTTTTACAGTAAAACCTAGGAAGACCCACCACATTTTGAAGACTGTGGGGAAAAGCTGAAATTTGGCT
 AATCCGAACGTATTGGGATATTGAATTTCTCGGCCATATTTACCAAATTTGAGTTTGTGGGAGGACTG
 CACTGCAAACCTGCCAAGCCTTTGCCTAAGGAAGTGGAGGAATTTGTTTCAGAGCTCTGGAGAATCGGTG
 TTGTAGTGTTCGCTGGGGTCAATGATCAAAAACCTGACAGAAGAGAAAAGCCAATCTCATTGCATCAGC
 CCTTGCCAGATCCCCAGAAGGTTTTGTGGAGATACTCAGGCAAGAAGCCAGCCACATTAGGACCCAAT
 ACTCGGATTTAAATTGGATTCCCAGAATGATCTGCTTGGACATCCTAAAACCAGGGCTTTCATCACAC
 ATGGTGGAAACGAACGGGATCTACGAAGCCATTTACCAGGGGTCCTATGGTGGGCATTTCCATGTTTGG
 TGATCAGCCTTACAACATCGCTCACATGGAGGCCAAGGGAGCAGCCGTGAAAGTCGCCATCAACACGATG
 ACCAGCGCAGATTTGCTCAGTGCCTTGAGAGCGGTCATTAATGAGCCTTCTATAAGGAGAAATGCCATGC
 GATTATCAAGAGTCCACCACGATCAGCCTGTGAAGCCCTGGACAGAGCCGTCTTCTGGATTGAGTTTGT
 CATGCGTCACAAAGGAGCCAAGCACCTTCGTGTGGCTGCACATGACCTCAGCTGGTTTCAGTACCACTCT
 CTGGATGTGATCGGGTTCCTACTGGTCTGTGTTGTAACCTGACATTCGTATCACTAAATGTTCTCTGT
 TTATGTGTAGAAAATGTTGTTTGGAGAGAAAGGAAAGAAAAGGGTAACAGAAAGAAAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201581 representing NM_001135869
 Red=Cloning site Green=Tags(s)

MVSVKWAVAIFFLLQLCWSGGICSKVLVWPCDMSHWLNLKTIIEELAARGHEVTVLKYPSSIIDQSKLTP
 LQFENIPVLYETEVAENHLNEIVNLAVNVIPNLSLWEAARTLQDFFLQLTGNFEDLCRSTLYNQTLMNKL
 RDAKYDVMVLDPVIPCGELVAEVLQIPFVNTLRFSGYSMEKYCGQLPVPLSYVPMVGMELDHMTFTER
 VKNMMLSLFFEFWLQQYDFAFWDQFYSKTLGRPTTFCKTVGKAEIWLIRTYWDIEFPRPYLPNFEFVGG
 HCKPAKPLPKLEEFVQSSGEHGVVVFSLGSMIKNLTEKANL IASALAQIPQKVLWRYSGKKPATLGN
 TRILNWIPQNDLLGHPKTRAFITHGGTNGIYEAIYHGVPVVGIPMGDQPYNIAHMEAKGAVKVAINTM
 TSADLLSALRAVINEPSYKENAMRLSRVHHDQPVKPLDRAVFWIEFVMRHKGAKHLRVAHDLSWFYHS
 LDVIGFLLVVCVTLTFVITKCSLFMCRKCLRERKKKGNRKKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

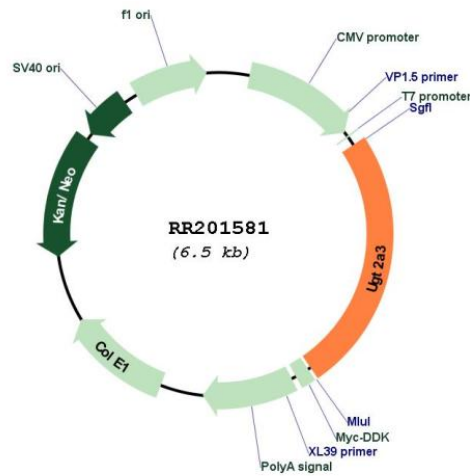
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001135869
ORF Size:	1602 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_001135869.1 , NP_001129341.1
RefSeq Size:	1605 bp
RefSeq ORF:	1605 bp
Locus ID:	289533
Cytogenetics:	14p21
MW:	61 kDa