

Product datasheet for **RR212900**

Ugt1a3 (NM_201424) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a3 (NM_201424) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a3
Synonyms:	UDPGT 1-3; Ugt1; Ugt1a4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR212900 representing NM_201424
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAATCCAAGGGTTCCTGCAGAACTCTCAGGACTGCTGCTCCTGCTGTGTGCCCTGCCTGGGCTG
 AAGGTGGAAGGTGCTGGTGTTCATGGAGGGCAGCCACTGGCTGAGCATGAGGGATGCTGTAGGGGA
 GCTCCACGCCGAGGTCACCAGGCTGTGGTCTGGCTCCAGAGGTGACTGTGCACATCAAAGAAGAGGAC
 TTCTTCACCTCCAAACCTACCCTGTTCCATACACCAAGGAAGAGTACAGGCACCACTTGTGGCCACC
 TTCAAATTTTTTCGAACTGAATTTCTCTGAAGTTAGTTCTACAGAGAATGGCAGCTGTAATAACGT
 ATCAACATTCTATGTGAGATCTGCAGGGTCTGCTGCATAACACAGCTCTGATCCAGAGCTGAECTCC
 AGCTCCTCGATGGTTTTAACAGATCCCTTTTCCCCTGTGGGCAGTCTGGCCATGTACCTGCGTG
 TTCTGCTGTGTGTCTGCAATCCATGCTCTGTGAAGTGAATTTGAAGCAACAACAGTCCAAACCC
 TTCTTCTATATCCCAGGTTACTAACATTGAATTCTGACCACATGAGCTTCTAGACAGAGTGAAGAAT
 ATGCTTTATCCTGTGCCATGGATGATTTATGCCATGTTAATTATGGCTCTCTGGCGAGACTTGCCTCAG
 ACCTTTTGCAGAGGGAGGTATCCGTGGTAGAGATCCTCAGACATGCCTCTGTATGGCTGTTGAGAAAGGA
 CTTTGTGTCTACTACCCAGGCCCTTCATGCCAACATGGTCTTCATTGGGGGCATAAACTGTGCCAAC
 AGGAAGCCACTGTCTCAGGAATTTGAAGCCTATGTCAACGCCTCCGGAGAACATGGCATCGTGGTTTTCT
 CTTTGGGATCCATGGTCTCAGAGATCCAGAGAAGAAAGCGATGGAAATGCTGAGGCTTTGGGCAGAA
 TCCTCAGACGGTCTGTGGCGCTACACCGGAAGTAGACCATCGAACCTTGCAAAGAACACTATTCTGTG
 AAATGGTACCCAAAACGATCTGCTGGTTCATCAAAGGCTCGGGCGTTCATCACACACTCCGGTTCCC
 ATGGTATTTATGAAGGAATATGCAATGGGTTCCAATGGTGATGATGCCCTTGTGGTGATGATGGA
 CAACGCCAAGCGCATGGAAACTCGGGGAGCTGGGGTACCCTGAATGTCCTGGAATGACTGCCGATGAT
 TTGAAAAACGCCCTTAAACTGTCATCAATAACAAGAGTTACAAGGAGAACATCATGCGCCTCTCCAGCC
 TTCACAAGGACCGTCTATCGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAGTACGTGATGAGGCACAA
 GGGGGCGCCACACTGCGCCCCGCCACGACCTCACCTGGTACCAGTACCCTCCTTGGACGTGATT
 GGCTTTCTCTGGCCATCGTGTGACGGTGGTCTTATTGTCTATAAAAGTTGTGCCTATGGCTGCCGGA
 AATGCTTTGGGGAAAGGTCGAGTGAAGAAATCACACAATCCAAGACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212900 representing NM_201424
 Red=Cloning site Green=Tags(s)

MGIQGFLLQKLSGLLLLLCALPWAEGGKLVLPMEGSHWLSMRDVVRELHARGHQAVVLAPEVTVHIKEED
 FFTLQTYVPVYTKEEYRHLLGHLLQNFETESLKLVLQRMAAVNNVSTFYVRSRGLLHNTALIQSLNS
 SSFDVVLTDPPFCGAVLAMYL RVPVFFLQSMLCELEFEATNSPNPSSYIPRLLTLNSDHMSFLDRVKN
 MLYPVPMYLVCHVNYGSLARLASDLLQREVSVEILRHASVWLLRKDFVYFPRPFMPNMVFIGGINCAN
 RKPLSQEFAYVNASGEHGVVFSLGSVMSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILV
 KWLPQNDLLGHPKARAFITHSNGSHIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADD
 LENALKTVINNKSYKENIMRLSSLHKDRPIEPLDAVFWVEYVMRHKGAPHLRPAHDLTWYQYHSLDVI
 GFLLAIVLTVVFIYKSCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_201424

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:**
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_201424.2](#), [NP_958827.1](#)

RefSeq Size: 2231 bp

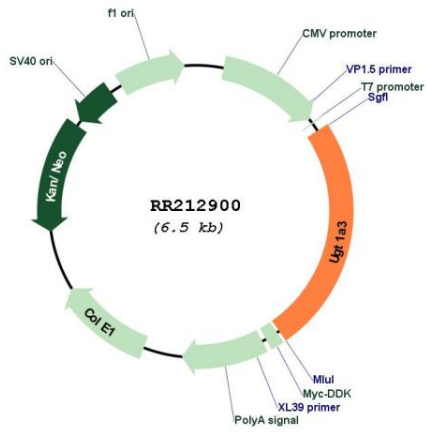
RefSeq ORF: 1596 bp

Locus ID: 396551

Cytogenetics: 9q35

MW: 60.2 kDa

Product images:



Circular map for RR212900