

Product datasheet for **RR210738**

Ugt1a5 (NM_001039549) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt1a5 (NM_001039549) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt1a5
Synonyms:	UDPGT 1-5; Ugt1; Ugt1a6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210738 representing NM_001039549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGACTCCATGTGACCCTGCAAGGATTAGCTGGGCTGCTGCTGCTGTATGCCCTGCCTGGGCTG
 AAGGTGAAAGGTGCTGGTGTTCATCCATGGAGGCGAGCCACTGGCTGAGCATGAGGGATGCTGTAGGGGA
 GCTCCACGCCCGAGGTCACCAGGCTGTGGTCTGGCTCCAGAGGTGACTGTGCACATCAAAGAAGAGGAC
 TTCTTCACCTCCAAACCTACCCTGTTCCATACACAAGACAAGGATTTAGACAACAAATGATGCGAAACA
 TAAAGTGGTCTTTGAAACAGGCAACTATGTGAAGACATTCCTTGAAACATCCGAGATTTTGAAAAACAT
 ATCGACAGTTCTTAAGGTCTTGTATGAATCTATTGCACAATGGGTCCCTGCTCCAGCATCTGAATTCC
 AGCTCCTTTGACATGGTCTAACAGATCCTGTGATTCCGTGTGGGCAGTCTGGCCAAGTACTTGGGTA
 TCCCCACTGTGTTCTTTCTACGATACATTCCTGTGGCATAGACTCTGAGGCCACACAATGCCGAAACC
 TTCTCTTATATCCGAACCTACTACAATGCTTTCTGACCACATGACTTTCCTGCAAAGGGTCAAGAAC
 ATGCTGTACCCTCTGGCCTTGAAGTACATTTGCCATTTCTCATTCACTCGCTATGAAAGCCTGGCCTCTG
 AGCTTTTGACAGAGAAGTGTCTTTAGTGGAGGTTCTCAGCCATGCATCTGTGTGGCTGTTCCGAGGGGA
 CTTTGTGTTGACTACCCGAGGCTGTCATGCCTAACATGGTCTTCATTGGAGGCATAAACTGTGTCATC
 AAGAAGCCTCTTCTCAGGAATTTGAAGCCTATGTCAACGCCTCCGAGAACATGGCATCGTGGTTTTCT
 CTTTGGGATCCATGGTCTCAGAGATCCAGAGAAGAAAGCGATGGAAATGCTGAGGCTTTGGGCAGAA
 TCCTCAGACGGTCTGTGGCGCTACACCGGAAC TAGACCATCGAACCTTGCAAAGAACACTATTCTTGTC
 AAATGGTACCCAAAACGATCTGCTTGGTTCATCAAAGGCTCGGGCGTTCATCACACACTCCGGTCC
 ATGGTATTTATGAAGGAATATGCAATGGGTTCCAATGGTGATGATGCCCTTGTGGTGATGATGGA
 CAACGCCAAGCGCATGGAAACTCGGGGAGCTGGGGTGACCCTGAATGTCCTGGAATGACTGCCGATGAT
 TTGAAAAACGCCCTTAAACTGTCATCAATAACAAGAGTTACAAGGAGAACATCATGCGCCTCTCCAGCC
 TTCACAAGGACCGTCTATCGAGCCTCTGGACCTGGCTGTGTTCTGGGTGGAGTACGTGATGAGGCACAA
 GGGGGCGCCACACTGCGCCCCGCCCGCCACGACCTCACCTGGTACCAGTACCCTCCTTGGACGTGATT
 GGCTTTCTCTGGCCATCGTGTGACGGTGGTCTTATTGTCTATAAAAGTTGTGCCTATGGCTGCCGGA
 AATGCTTTGGGGAAAGGGTCGAGTGAAGAAATCACACAATCCAAGACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210738 representing NM_001039549
 Red=Cloning site Green=Tags(s)

MGLHVTLQGLAGLLLLLYALPWAEGGKLVLPMEGSHWLSMRDVVRELHARGHQAVVLAPEVTVHIKEED
 FFTLQTYPPVYTRQGFRRQMMRNKVVVFETGNYVKTFLSETSEILKNIISTVLLRSCMNLHNGSLLQHLNS
 SSFDMVLTDVPVPCGAVLAKYLGIPTVFFLRYIPCGIDSEATQCPKPSSYIPNLLTMLSDHMTFLQRVKN
 MLYPLALKYICHFSFTRYESLASSELLQREVSLVEVLSHASVWVFRGDFVFDYPRPVMNMFVIGGINCVI
 KKPLSQEFAYVNASGEHGI VVFSLGSVMSEIPEKKAMEIAEALGRIPQTVLWRYTGRPSNLAKNTILV
 KWLPQNDLLGHPKARAFITHSGSHGIYEGICNGVPMVMPLFGDQMDNAKRMETRGAVTLNVLEMTADD
 LENALKTVINNKSYKENIMRLSSLHKDRPIEPLDAVFWVEYVMRHKGAPHLRPAHDLTWYQYHSLDVI
 GFLLAIVLTVVFIYKSCAYGCRKCFGGKGRVKKSHKSKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001039549

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_001039549.1](#), [NP_001034638.1](#)

RefSeq Size: 2266 bp

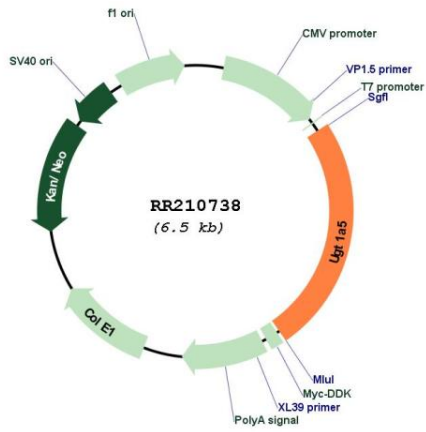
RefSeq ORF: 1596 bp

Locus ID: 574523

Cytogenetics: 9q35

MW: 59.9 kDa

Product images:



Circular map for RR210738