

Product datasheet for **RN208827**

Ugt2a1 (NM_022228) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt2a1 (NM_022228) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ugt2a1
Synonyms:	Ugt2a1p
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208827 representing NM_022228
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGAAGAACATTCTACTGTGGTCTCTTCAGCTAAGTCTCCTAGGAATGAGTCTTGGCGGGAATGTTCTC
 TCATCTGGCCAATGGAAGGCAGTCACTGGCTAAATGTTAAGATCATAATAGACGAACTCCTAAGGAAAGA
 GCATAACGTGACTGTCTTGTTCATCCGGGGCCCTTTTCATCACACCGTCGGTCAAGCCATCTCTGACA
 TTCGAAATATATCCAGTGCCCTTCGCAAGGAAAAATCGAAAGCGTGATCAAGGACTTTGTTTTGACGT
 GGCTGGAAAACAGGCCGTCTCTCAACTATCTGGACTTTCTATAAGGAAATGGCCAAAGTCATCGAGGA
 GTTCCACTTGGTGTCCAGAGGGATCTGTGATGGCGTTCTTAAGAATGAAAAGCTGATGACCAAGCTGCAG
 AGAGGAAAGTTTGAAGTACTGTTGTCAGACCCAGTATTTCCGTGTGGCGATATCGTAGCTTTAAACTGG
 GGATTCCATTTATCTATTCCTTGGCGTTTTCTCCTGCCTCCACAGTGGAAAAGCACTGTGAAAAAGTCCC
 GTTTCCTCCTTCTATGTTCTGCAATCTGTGCAGAACTCACAGACCAGATGTCCTTCGCTGACCGAGTA
 AGGAACTTTATCTCTACCGAATGCAGGACTACATGTTTGAAACTCTTTGGAAGCAATGGGATTCCTATT
 ACAGTAAAGCCTTAGGAAGACCCACCACACTGTGCGAGACTATGGGGAAAGCTGAGATTTGGCTAATGCG
 AACATATTGGGATTTTGAATTTCTCGTCCATATTTGCCTAATTTTGAGTTTGTGGGAGGACTGCACTGC
 AAACCTGCCAAGCCTTTGCCTAAGGAAATGGAAGAGTTTGTCCAGACCTCAGGGGAAACATGGTGTGTGG
 TGTTCCTTTGGGGTCAATGGTCAAAAACCTGACAGAAGAAAAGGCCAATCTCATTGCCTCAGCCCTTGC
 CCAGATTCCTCAGAAGGTTTTGTGGCGATACAAAGGAAAGATACCAGCCACATTAGGATCCAATACGAGA
 TTGTTTGACTGGATTCTCAGAATGATCTTCTTGACATCCCAAACCAGAGCTTTTATCACCCATGGTG
 GAACAAATGGAATCTATGAGGCCATTTACCAGGGATCCCGATGGTGGGAGTTCCCATGTTTCGCTGATCA
 GCCTGACAACATAGCTCACATGAAGGCTAAAGGAGCAGCTGTGGAGGTGAACATGAACACGATGACGAGT
 GCAGATCTGCTCAGTGTGTGAGAGCAGTCATCAATGAGCCATTTTATAAAGAGAATGCCATGAGACTAT
 CAAGAATTCACCAGATCAGCCAGTGAAGCCCCTGGACAGAGCCGTCTTCTGGATTGAGTTTGTCTATGCG
 TCACAAAGGAGCCAAGCACCTTCGTGTGGCAGCGCATGACCTCAGCTGGTTTCAGTACCCTCTCTAGAT
 GTGATTGGGTTCTGCTGGCTTGTATGGCATCTGCCATATTATTGGTTATAAAATGTTGTTTATTGTAT
 TTCAAAAATTGGTAAGACANGAAAGAAGAATAAAAGGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_022228

Insert Size: 1584 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_022228.1](#), [NP_071564.1](#)

RefSeq Size: 1584 bp

RefSeq ORF: 1584 bp

Locus ID: 63867

UniProt ID: [P36510](#)

Cytogenetics: 14p21

Gene Summary: enzyme important for the elimination of potentially toxic compounds; found in the olfactory epithelium and may be involved with olfaction [RGD, Feb 2006]