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Product datasheet for SC127311

UGT3A2 (NM_174914) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UGT3A2 (NM_174914) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT3A2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC127311 sequence for NM_174914 edited (data generated by NextGen Sequencing)

ATGGCTGGGCAGCGAGTGCTTCTTCTAGTGGGCTTCCTTCTCCCTGGGGTCCTGCTCTCA
GAGGCTGCCAAAATCCTGACAATATCTACAGTAGGTGGAAGCCATTATCTACTGATGGAC
CGGGTTTCTCAGATTCTTCAAGATCACGGTCATAATGTCACCATGCTTAACCACAAAAGA
GGTCCTTTTATGCCAGATTTTAAAAAGGAAGAAAAATCATATCAAGTTATCAGTTGGCTT
GCACCTGAAGATCATCAAAGAGAATTTAAAAAGAGTTTTGATTTCTTTCTGGAAGAAACT
TTAGGTGGCAGAGGAAAATTTGAAAACTTATTAAATGTTCTAGAATACTTGGCGTTGCAG
TGCAGTCATTTTTTAAATAGAAAGGATATCATGGATTCCTTAAAGAATGAGAACTTCGAC
ATGGTGATAGTTGAAACTTTTGACTACTGTCCTTTCCTGATTGCTGAGAAGCTTGGGAAG
CCATTTGTGGCCATTCTTTCCACTTCATTCGGCTCTTTGGAATTTGGGCTACCAATCCCC
TTGTCTTATGTTCCAGTATTCCGTTCCTTGCTGACTGATCACATGGACTTCTGGGGCCGA
GTGAAGAATTTTCTGATGTTCTTTAGTTTCTGCAGGAGGCAACAGCACATGCAGTCTACA
TTTGACAACACCATCAAGGAACATTTCACAGAAGGCTCTAGGCCAGTTTTGTCTCATCTT
CTACTGAAAGCAGAGTTGTGGTTCATTAACTCTGACTTTGCCTTTGATTTTGCTCGACCT
CTGCTTCCCAACACTGTTTATGTTGGAGGCTTGATGGAAAAACCTATTAAACCAGTACCA
CAAGACTTGGAGAACTTCATTGCCAAGTTTGGGGACTCTGGTTTTGTCCTTGTGACCTTG
GGCTCCATGGTGAACACCTGTCAGAATCCGGAAATCTTCAAGGAGATGAACAATGCCTTT
GCTCACCTACCCCAAGGGGTGATATGGAAGTGTCAGTGTTCTCATTGGCCCAAAGATGTC
CACCTGGCTGCAAATGTGAAAATTGTGGACTGGCTTCCTCAGAGTGACCTCCTGGCTCAC
CCAAGCATCCGTCTGTTTGTCACCCACGGCGGGCAGAATAGCATAATGGAGGCCATCCAG
CATGGTGTGCCCATGGTGGGGATCCCTCTCTTTGGAGACCAGCCTGAAAACATGGTCCGA
GTAGAAGCCAAAAAGTTTGGTGTTTCTATTCAGTTAAAGAAGCTCAAGGCAGAGACATTG
GCTCTTAAGATGAAACAAATCATGGAAGACAAGAGATACAAGTCCGCGGCAGTGGCTGCC
AGTGTCATCCTGCGCTCCCACCCGCTCAGCCCCACACAGCGGCTGGTGGGCTGGATTGAC
CACGTCCTCCAGACAGGGGGCGCGACGCACCTCAAGCCCTATGTCTTTCAGCAGCCCTGG
CATGAGCAGTACCTGCTCGACGTTTTTGTGTTTCTGCTGGGGCTCACTCTGGGGACTCTA
TGGCTTTGTGGGAAGCTGCTGGGCATGGCTGTCTGGTGGCTGCGTGGGGCCAGAAAGGTG
AAGGAGACATAA

Clone variation with respect to NM_174914.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_174914 unedited

NGGGCCTGTCCATAATTTTGTAATACGACTCACTATNAGGNNCGGCCGCGNNAATTCGGC
ACGAAGCCCACAGCCAGTGCCTTTGGCGCACTGAGGTGCACAGGGTCCCTTATCCGGGCG
CAGGGCGCGCAGCCCAGGCTGAGATCCGCGGCTTCCGTAGAAGTGAGCATGGCTGGGCAG
CGAGTGCTTCTTCTAGTGGGCTTCCTTCTCCCTGGGGTCCTGCTCTCANAGGCTGCCAAA
ATCCTGACAATATCTACAGTAGGTGGAAGCCATTATCTACTGATGGACCGGGTTTCTCAG
ATTCTTCAAGATCACGGTCATAATGTCACCATGCTTAACCACAAAAGAGGTCCTTTTATG
CCAGATTTTAAAAAGGAAGAAAAATCATATCAAGTTATCAGTTGGCTTGCACCTGAAGAT
CATCAAAGAGAATTTAAAAAGAGTTTTGATTTCTTTCTGGAAGAAACTTTAGGTGGCAGA
GGAAAATTTGAAAACTTATTAAATGTTCTAGAATACTTGGCGTTGCAGTGCAGTCATTTT
TTAAATAGAAAGGATATCATGGATTCCTTAAAGAATGAGAACTTCGACATGGTGATAGTT
GAAACTTTTGACTACTGTCCTTTCCTGATTGCTGAGAAGCTTGGGAAGCCATTTGTGGCC
ATTCTTTCCACTTCATTCGGCTCTTTGGAATTTGGGCTACCAATCCCCTTGTCTTATGTT
CCAGTATTCCGTTCCTTGCTGACTGATCACATGGACTTCTGGGGCCGAGTGAAGAATTCT
CTGATGATCTTTAGTTTCTGCAGGAGGCAACAGCACATGCAGTCTACATTTGACAACCCA
TCAAGGACATNTCACAGAGGCTCTAGGCCAGGNTTGTCTCATCTCTACTGAAGCAGAGTT
GTGGC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_174914 unedited
TGGGGGGACTCCTGGTACCGCGCCTTTTACGGTGATCNGTTTTTCCTTTTTTTTTTTTAA
CGCTTTTAACTTTTATTTTTTCAGNAAATCTGGGAAACCTACAGTCTCCAAGCCTGCTCA
GCCAAGAAGGAGCTCACTGTGGGCACCANGACACAGGGACCCAATGTGGAGACCTGTGAG
CCTGTGTCCGGCCCTGAACTCTCAAGCACAGGGCAGGCTTCCTGAGCATTGAAGAGAATA
TGTGGGAGAACAAAACAGAAACTGAAAGAATATGCAAGGTGTCCTTCTTGGATGTTATTC
CATGATAGATAGTAGGGGCAGGAGTGAGAGAGGCTGACTAGGTCTGGACATGGAGGCTGG
AAGAGTCAGGGTGTGATTCGGAGAGGCGCATGAGAAGGAAGGTGGATTTTAAGGCTGGAA
ATCTGAGGGTCAGTGGTCCAAGTCACTCAGAGACAGAATCACAGCATAGCCCTTGCTGAT
GGCAAACAAAGGAGGACAAGAGGACTGGAAAGAATTCTGCTAGCAGGCAGGAGCTAGTAA
GGATGAATTTGTAGCAAAATTAGCAAGTGGAAAGGATGATTTTTGGCCATTTTTCCTGTT
CTTCAAGAAAACAGGAGATAACTAGAAGGACTAGAGAATGGGGCTGCCAGAACTAGTGGG
AAGCTCCCTAGAAATGGTGACATCGCCCACCAAACAGACCCCCGCCAGGCTGCACCCTGC
CCTTATGTCTCCCTCACCTTTTTTGGCCCCCACGCAACCCACCAGACAGCCATGTCCCAA
CCAGCTTCCCCCAAAAGCCACTATAGTCCCCAAAAATGGAGCCCCCGACAAAAACAACCA
AAACCTCTGGACAAGTTACTGGTTCAGGCCCAGGGCTGTTTGAAAAAACATAGA
```

Restriction Sites: NotI-NotI

ACCN: NM_174914

Insert Size: 2500 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_174914.2, NP_777574.1

RefSeq Size: 2341 bp

RefSeq ORF: 1572 bp

Locus ID: 167127

UniProt ID: Q3SY77

Cytogenetics: 5p13.2

Protein Families: Transmembrane

Gene Summary: UDP-glucuronosyltransferases catalyze phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds (By similarity). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).