

Product datasheet for **SC336440**

UGT2A2 (NM_001301233) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | UGT2A2 (NM_001301233) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | UGT2A2 |
| Synonyms: | UDPGT 2A2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC336440 representing NM_001301233.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

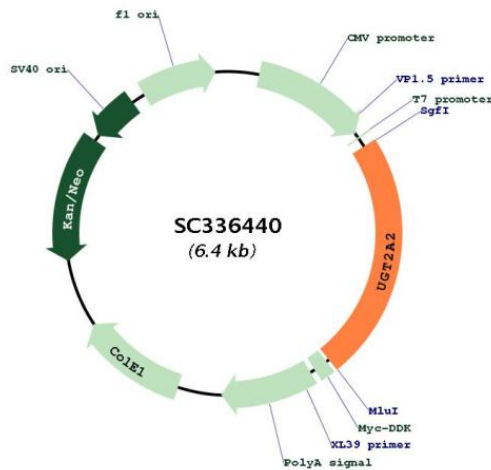
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GATTCCTTAATTGAGCATATGATAATGCTGTGGATTGACCATAGACCAACTCCTCTCACAATATGGGCT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001301233

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|-------------------------------|---|
| Insert Size: | 1479 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: | <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: | <u>NM_001301233.1</u> |
| RefSeq Size: | 2436 bp |
| RefSeq ORF: | 1479 bp |
| Locus ID: | 574537 |
| UniProt ID: | <u>Q9Y4X1</u> |
| Cytogenetics: | 4q13.3 |
| MW: | 56.1 kDa |
| Gene Summary: | <p>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. Active on odorants and seems to be involved in olfaction; it could help clear lipophilic odorant molecules from the sensory epithelium.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2, also known as UGT2A2deltaexon3) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (UGT2A2_i2) that is shorter than isoform UGT2A2_i1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |