

Product datasheet for **SC329882**

UGT2B28 (NM_001207004) Human Untagged Clone

Product data:

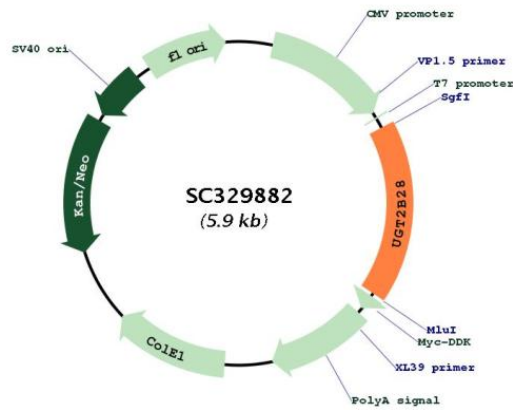
Product Type: Expression Plasmids
Product Name: UGT2B28 (NM_001207004) Human Untagged Clone
Tag: Tag Free
Symbol: UGT2B28
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329882 representing NM_001207004.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTCTGAAGTGGACTTCAGTTCTTCTGCTGATACATCTCGGTTGTTACTTTAGCTCTGGGAGTTGT
GGAAAGGTGCTGGTGTGGACCGGTGAATACAGCCATTGGATGAATATGAAGACAATCCTGAAAGAGCTT
GTCAGAGAGGTCATGAGGTGACTGTACTGGCATCTTCAGCTCCATTCTTTTGTATCCCAATGACGCA
TTCACTCTTAAACTCGAAGTTTATCCTACATCTTAACTAAAAGTGAATTTGAGAATATCATCATGCAA
CAGGTTAAGAGATGGTCAGACATTCAAAAAGATAGCTTTTGGTTATATTTTTACAAGAACAAGAAATC
CTGTGGGAATTTTCATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAAATAAGAAAGTTATGAAA
AAACTACAAGAGTCAAGATTTGACATCATTTTTGCAGATGCTTTTTTTCCTTGTGGTGAGCTGTGGCT
GCGCTACTTAACATACCGTTTGTGTACAGTCTCTGCTTCACTCCTGGCTACACAATTGAAAGGCACAGT
GGAGGACTGATTTTCCCTCCTTCTACATACCTGTTGTTATGTCAAAATTAAGTGATCAAATGACTTTC
ATGGAGAGGGTAAAAACATGATCTATGTGCTTTATTTTACTTTTGGTTCCAAATGTGTGATATGAAG
AAGTGGGATCAGTTTACAGTGAAGTTTAGGAAGACCCACTACCTATTTGAGACAATGGGAAAGCT
GACATATGGCTTATGCGAACTCCTGGAGTTTCAATTTCTCATCCATTCTACCAAACATTGATTTT
GTTGGAGGACTCCACTGCAAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAATTTGTACAGAGCTCT
GGTGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTAAAGTAAACATGACAGCAGAAAGGGCCAAC
GTAATTGCAACAGCCCTTGCCAAGATCCCAAAAAGATA TAA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001207004

Insert Size: 1008 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_001207004.1
RefSeq Size:	1543 bp
RefSeq ORF:	1008 bp
Locus ID:	54490
UniProt ID:	Q9BY64
Cytogenetics:	4q13.2
Protein Families:	Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, Ascorbate and aldarate metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Retinol metabolism, Starch and sucrose metabolism
MW:	38.7 kDa
Gene Summary:	<p>This gene encodes a member of the uridine diphosphoglucuronosyltransferase protein family. The encoded enzyme catalyzes the transfer of glucuronic acid from uridine diphosphoglucuronic acid to a diverse array of substrates including steroid hormones and lipid-soluble drugs. This process, known as glucuronidation, is an intermediate step in the metabolism of steroids. Two transcript variants encoding different isoforms have been found for this gene. While both isoforms are targeted to the endoplasmic reticulum, only the longer isoform appears to be active. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (2) lacks two coding exons compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>