

Product datasheet for **SC335827**

UGT (UGT2B4) (NM_001297616) Human Untagged Clone

Product data:

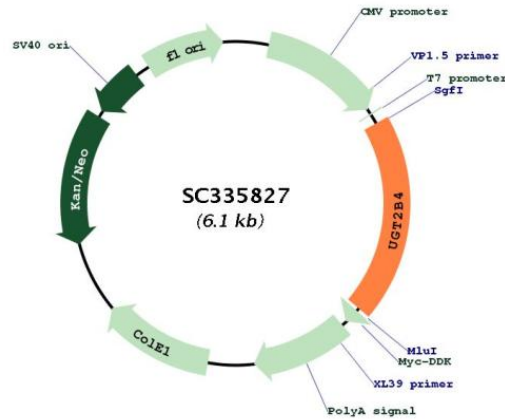
Product Type:	Expression Plasmids
Product Name:	UGT (UGT2B4) (NM_001297616) Human Untagged Clone
Tag:	Tag Free
Symbol:	UGT2B4
Synonyms:	HLUG25; UDPGT2B4; UDPGTh-1; UDPGTH1; UGT2B11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335827 representing NM_001297616. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTTTTTTGCTCTTACATGTCTCATCAACGAATGGATTAGATGCTGTTTTCCCTTTGGTGAGCTG
CTGGCCGAGTTACTTAAATACCTTTGTCTACAGCCTCCGTTCTCTCGGCTACGCAATTGAAAAG
CATAGTGGAGGACTTCTGTTCCCTCCTTCTATGTGCCTGTTGTTATGTCAGAACTAAGTGACCAATG
ACTTTTCATAGAGAGGGTAAAAAATATGATCTATGTGCTTTATTTTGAATTTTGGTTCCAAATATTTGAC
ATGAAGAAGTGGGATCAGTTCTACAGTGAAGTTCTAGGAAGCCACTACGTTATCTGAGACAATGGCA
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GAGTTCGTTGGAGGACTCCACTGCAAACCTGCCAAACCCCTACCGAAGGAAATGGAAGAGTTTGCCAG
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GCCAATGTAATTGCATCAGCCCTTGCCAAGATCCCAAAAAGGTTCTGTGGAGATTTGATGGGAATAAA
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AAAACCAGAGCTTTTATAACTCATGGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGAATCCCT
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CCTTTATATAAAGAGAATGCTATGAAATTATCAAGAATTCATCATGATCAACCAGTGAAGCCCCTTGAT
CGAGCAGTCTTCTGGATTGAATTTGTCTGCGCCATAAAGGAGCCAAGCACCTTCGGGTTGCAGCCAC
GACCTCACCTGGTTCCAGTACCCTCTTTGGATGTGACTGGGTTCTGCTGGCCTGTGTGCAACTGTG
ATATTCATCATCAGAAAATGTCTGTTTTGTGCTGGAAGTTTGTGTAACAGGAAAGAAGGGGAAAAAGA
GAT TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001297616

Insert Size: 1179 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_001297616.1](#)

RefSeq Size: 1949 bp

RefSeq ORF: 1179 bp

Locus ID: 7363

UniProt ID: [P06133](#)

Cytogenetics: 4q13.3

Protein Families: Druggable Genome, 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:	44.6 kDa
Gene Summary:	<p>UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme is active on polyhydroxylated estrogens (such as estriol, 4-hydroxyestrone and 2-hydroxyestriol) and xenobiotics (such as 4-methylumbelliferone, 1-naphthol, 4-nitrophenol, 2-aminophenol, 4-hydroxybiphenyl and menthol). It is capable of 6 alpha-hydroxyglucuronidation of hyodeoxycholic acid.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.</p>