

Datasheet for ABIN4921563

## Human UGT2B28 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	UGT2B28
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human UGT2B28 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1590 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCTCTGA AGTGGACTTC AGTTCTTCTG CTGATACATC TCGGTTGTGA CTTTAGCTCT GGGAGTTGTG GAAAGGTGCT GGTGTGGACC GGTGAATACA GCCATTGGAT GAATATGAAG ACAATCCTGA AAGAGCTTGT TCAGAGAGGT CATGAGGTGA CTGTACTGGC ATCTTCAGCT TCCATTCTTT TTGATCCCAA TGACGCATTC ACTCTTAAAC TCGAAGTTTA TCCTACATCT

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## Product Details

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TTAACTAAAA CTGAATTTGA GAATATCATC ATGCAACAGG TTAAGAGATG GTCAGACATT  
CAAAAAGATA GCTTTTGGTT ATATTTTCA CAAGAACAAG AAATCCTGTG GGAATTTTCA  
GACATATTTA GAAACTTCTG TAAAGATGTA GTTTCAAATA AGAAAGTTAT GAAAAACTA  
CAAGAGTCAA GATTTGACAT CATTTTGTCA GATGCTTTTT TTCCTTGTGG TGAGCTGCTG  
GCTGCGCTAC TTAACATACC GTTTGTGTAC AGTCTCTGCT TCACTCCTGG CTACACAATT  
GAAAGGCACA GTGGAGGACT GATTTTCCCT CCTTCCTACA TACCTGTTGT TATGTCAAAA  
TTAAGTGATC AAATGACTTT CATGGAGAGG GTAAAAACA TGATCTATGT GCTTTATTTT  
GACTTTTGGT TCCAAATGTG TGATATGAAG AAGTGGGATC AGTTTTACAG TGAAGTTTAA  
GGAAGACCCA CTACCTTATT TGAGACAATG GGGAAAGCTG ACATATGGCT TATGCGAAAC  
TCCTGGAGTT TTCAATTTCC TCATCCATTC TTACCAAACA TTGATTTTGT TGGAGGACTC  
CACTGCAAAC CTGCCAAACC CCTACCTAAG GAAATGGAGG AATTTGTACA GAGCTCTGGT  
GAAAATGGTG TTGTGGTGTG TTCTCTGGGG TCAGTGATAA GTAACATGAC AGCAGAAAGG  
GCCAACGTAA TTGCAACAGC CTTGCCAAG ATCCCACAAA AGTTTCTGTG GAGATTTGAT  
GGGAATAAAC CAGATGCCTT AGGTCTCAAT ACTCGGCTGT ATAAGTGGAT ACCCCAGAAT  
GACCTTCTAG GTCTTCCAAA AACCAGAGCT TTTATAACTC ATGGTGGAGC CAATGGCATC  
TATGAGGCAA TCTACCATGG GATCCCTATG GTAGGCATTC CATTGTTTTG GGATCAACCT  
GATAACATTG CTCACATGAA GGCCAAGGGA GCAGCTGTGA GACTGGACTT CCACACAATG  
TCGAGTACAG ACCTGCTGAA TGCACTGAAG ACAGTAATTA ATGATCCTTC ATATAAAGAG  
AATGTTATGA AATTATCAAT AATTCAACAT GATCAACCAG TAAAGCCCCT GCATCGAGCA  
GTCTTCTGGA TTGAATTTGT GATGTGCCAC AAAGGAGCCA AACACCTTCG AGTTGCAGCC  
CGTGACCTCA CCTGGTTCCA GTACCACTCT TTGGATGTGA TTGGGTTTCT GCTGGCCTGT  
GTGGCAACTG TGATATTTGT CGTCACAAAG TTTTGTCTGT TTTGTTTCTG GAAGTTTGCT  
AGAAAAGGGA AGAAGGGAAA AAGAGATTAG

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Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	<ul style="list-style-type: none"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

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## Target Details

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Gene: UGT2B28

Alternative Name: UGT2B28 ([UGT2B28 Products](#))

Background: 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].

Gene ID: 54490

NCBI Accession: [NM\\_053039](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)