

Product datasheet for **SC204735**

UGP2 (NM_001001521) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	UGP2 (NM_001001521) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	UGP2
Synonyms:	DEE83; EIEE83; pH379; SVUGP2; UDPG; UDPGP; UDPGP2; UGP1; UGPP1; UGPP2
ACCN:	NM_001001521
Insert Size:	363 bp
Insert Sequence:	>SC204735 3'UTR clone of NM_001001521 The sequence shown below is from the reference sequence of NM_001001521. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCTGGAAACCTTCGCATCTTGGACCAC TGA AATGAAAAACTGTGGACACTTAAATAATGGGCTAGTT TCTTACAATGAAATGTTCTCTAGGATTCTAAAATAGGCAGGTACTTTACTATGTTACTGTACCCTGCAG TGTTGATTTTTAAATAGAGTTTTCTGCAGTATGCTTTTAAAGTCTAAGAAAAGCACAGATGGAGCAATAC TTTCTTCTTTGAAGAGAATCCCAAAAGTTAGTTCATCTTAAAGTGAATATTGTTTAACTTAAACT GGGCAACTTTGGAAGAACTTTTAAACAGAAGCCTCAATGATGATCACTTTGAATTGCTTGTGATTTCAA AATAAAGCAGTGAAGCAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001001521.2</u>



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Summary:

The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID:

7360

MW:

14