

Product datasheet for **MC228031**

Ugp2 (NM_001290634) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugp2 (NM_001290634) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ugp2
Synonyms:	UDPGP; UGPase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228031 representing NM_001290634
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCAAGATGGTGCTTCTCAGTTCCAAGAGGTCATTCTCCAAGAAGTACAATTATCTGTGAAGAAAG
 AATTAGAAAAAATACTTACCACAGCAGCCTCACATGAGTTTGGACACACTAAAAAGATCTTGATGGATT
 TCGGAAGCTATTTTCATAGATTTTTGCAAGAAAAGGGACCGTCTGTGGACTGGGGTAAAATCCAGAGACCT
 CCAGAAGATTCGATTCAACCCTATGAAAAGATAAAAGCCAGAGGCTTGCCTGATAACATATCTTCTGTGT
 TGAACAAGTTGGTGGTAGTGAACTCAATGGTGGTTTGGGAACCAGCATGGGCTGCAAAGGCCCTAAAAAG
 TCTGATTGGTGAAGAAATGAGAACACCTTTTTGGATCTAACTGTTCCAGCAAATGAACATTTGAACAAA
 ACCTATAATACAGATGTTCTCTCGTTTTAATGAATCTTTAACACGGATGAAGATACCAAAAAATAC
 TCCAGAAGTACAATCACTGTCGTGTGAAAATCTACACCTCAATCAAAGCAGGTACCCGAGGATCAATAA
 GGATCTCTACTTCTATAGCAAAGGATGTGTCTTATTACGGGGAAAATACTGAAGCTTGGTACCCTCCA
 GGCATGGAGATATCTATGCTAGTTTCTACAATCTGGCTTGGCTCGATACCTTTATAGAAGAAGGCAAAG
 AGTATATTTTTGTGTCTAACATAGATAATCTGGGTGCCACAGTGGATCTTTATATTTCTTAATCACCTGAT
 GAACCCACCCAATGGGAAGCGCTGTGAGTTGTGCATGGAAGTCAAAAACAAAACAGCAGATGTTAAG
 GGTGGGACACTCACTCAGTATGAAGGCAAACCTGAGACTGGTGGAAATCGCTCAAGTGCCCAAAGCACACG
 TTGATGAGTTCAAGTCTGTGTCAAAATTTAAAAATTTAACACAAAACCACTATGGATTTCTTTGGAGC
 AGTTAAAAGACTTCAGGAACAGAATGCCATTGACATGGAATCATTGTGAATCCAAGACATTGGATGGA
 GGCCTGAATGTAATTCAGTTAGAACTGCAGTTGGAGCTGCAATAAAAGTTTCGAGAATCTTTAGGTA
 TTAATGTTCCAAGGAGTCTTTTTCTGCCTGTGAAAACCACATCAGATCTTTGCTTGATGTCAAACCT
 CTATAGCCTTAACGCAGGATCTCTGACCATGAGTGAAAAGCGTGAATCCCTACAGTGCCCTTGGTTAAA
 TTAGGCAGTTCTTTTACCAAGGTTCAAGATTATCTAAGAAGGTTTAAAAGTATACCCGATATGCTGGAAC
 TGGACCACCTCACTGTTTCAGGAGATGTGACATTTGGAAAAATGTTTCACTAAAGGGAACAGTTATTAT
 TATTGCAAATCATGGTGACAGAATTGACATCCCCCAGGAGCCGTGTAGAGAACAAGATTGTATCTGGA
 AACCTTCGGATCTGGATC**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290634

Insert Size: 1494 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	NM_001290634.1 , NP_001277563.1
RefSeq Size:	2657 bp
RefSeq ORF:	1494 bp
Locus ID:	216558
UniProt ID:	Q91ZJ5
Cytogenetics:	11 13.89 cM
Gene Summary:	<p>Plays a central role as a glucosyl donor in cellular metabolic pathways.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 5'-terminal exon, differs in its 5' UTR, and uses a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>