

Product datasheet for SC118012

Uridine Phosphorylase 1 (UPP1) (NM_003364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uridine Phosphorylase 1 (UPP1) (NM_003364) Human Untagged Clone
Tag:	Tag Free
Symbol:	Uridine Phosphorylase 1
Synonyms:	UDRPASE; UP; UPASE; UPP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118012 sequence for NM_003364 edited (data generated by NextGen Sequencing)

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ATGGCGCCACGGGAGCCAAATGCAGAGAAAGCTGAAAGTCACAATGATTGCCCGTCAGA
CTTTTAAATCCAACATAGCAAAAATGAAAGAAGATATTCTCTATCATTTC AATCTCACC
ACTAGCAGACACAATTTCCAGCCTTGTGGAGATGTGAAGTTTGTGTGTGTTGGTGA
AGCCCCTCCGGATGAAAGCCTTCATCAGGTGCGTTGGTGCAGAGCTGGGCCTTGACTGC
CCAGGTAGAGACTATCCAACATCTGTGCGGAACTGACCGCTATGCCATGTATAAAGTA
GGACCGGTGCTGTCTGTCACTCATGGTATGGGCATTCTTCTATCTCAATCATGTTGCAT
GAGCTCATAAAGCTGCTGTACTATGCCCGGTGCTCCAACGTCACATCATCCGCATTGGC
ACTTCTGGTGGGATAGGTCTGGAGCCCGCACTGTGGTCATAACAGAGCAGGCAGTGGAT
ACCTGCTTCAAGCAGAGTTTGAGCAGATTGCTCCTGGGGAAGCGGTCATCCGAAAACG
GACCTTAAACAAGAAGCTGGTGCAGGAGCTGTTGCTGTGTTCTGCAGAGCTGAGCGAGTTC
ACCACAGTGGTGGGGAACACCATGTGCACCTTGGACTTCTATGAAGGGCAAGGCCGCTG
GATGGGGCTCTCTGCTCTACACGGAGAAGGACAAGCAGGCGTATCTGGAGGCAGCCTAT
GCAGCCGGCGTCCGCAATATCGAGATGGAGTCCTCGGTGTTTGGCCCATGTGCAGCGCC
TGCGGCCCTCAAGCGGCCGTGGTGTGTGTACCCTCCTGAACCGCTGGAAGGGGACCAG
ATCAGCAGCCCTCGCAATGTGCTCAGCGAGTACCAGCAGAGGCCCGCAGCGGCTGGTGAGC
TACTTCATCAAGAAGAACTGAGCAAGGCCTGA

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Clone variation with respect to NM_003364.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003364 unedited GGGGGCCCCCANNNCCTTCNCNCCCCCTGTTCAAATTTGTNATACGACTCACTATAGG CGGCCCGGAATTCGCACGAGGTTCCCTCATTGAGTGTCCGGCGCACAGACCCGCGCC CGCCGTCCGCGAGCCTCCCGAGAGCCGTCCTTCGTCCGGCCCTGGAGCATTGCGTTTGT CGCCGGTGTGCGAGTGCAGGATGGCGCCGCGGGTGTAGCGGCTCTGCGCAGGCCGAG TGGGCCAGAGAAGCGAGGAACCCGACGCTCGTCGACACGTCTGCTCCTGTCCCAAT TCAGGGCTTGGTGAAGTACTCGCGGTGCGGGTACTCGCCGGCAGACACTGCCTGGA ACGGCTGGAGCGCTCCACTGACAGACGTCTGTCGCTCCAGCCGCTCCTCTGACGG GTCCTGCCTCAGTTGGCGGAATGGCGGCCACGGGAGCCAATGCAGAGAAAGCTGAAAGTC ACAATGATTGCCCGTCAGACTTTTAAATCCAAACATAGCAAAAATGAAAGAAGATATTC TCTATCATTTCAATCTCACCAGTACGACACAAATTTCCAGCCTTGTGGAGATGTGA AGTTTGTGTGTGGTGAAGCCCTCCCGGATGAAAGCCTTCATCANGTGCCTGGTG CAGAGTGGGCCCTGACTGCCAGNTAGAGACTATCCCAACATCTGTGCGGAACTGACC GCTATGCCATGTANTAAGTANGACCCGGTGTCTGTGTCAGTCATGGTATGGGCATTCT TCTATCTCAATCATGGTGCATGAGCTCATAAAGCTGCTGTACTATGCCNNGTGTCCAC GTCACTATCATCCCGATTGGCACTTCTGGTGGGATAAGGNCTGAAGCCCGGCACTGTGG TCATTACAGAGCAGGAGTGAATACCTGCTCAGGNCAAAGTTTGAAGCANAATTGTCCTG GGNAAGCGGGTACCCCGAAAACGGACCTTACAAGAAGCTGGTGCAGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003364 unedited NGGGCCTTCTATGNACCGCGCCGCTTTCTAAGATCGATTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGACAAAGCTTTTAAATGGGAAGTCA TCAACAAGTCTGCGGAGGGGCAAGGGAACGCTCAAGCCCTGGTCAATTTTTTTTTTTGAA GAAATAACTACCAACCCCTGGGCCCCCTGGTGGGACCCGCTGAACACATTGGGAGGGCT GGTGAATTTGGTCCCCTTCAAGCGGGTTAAGAGGGGGACACACCCCGCCCTTGGAG GCCCAAGCCCTCACATGGGGGAAAAACCCAGGACCCCTCTTGATTTGGGGACCC CGCTGGATAAGCTGCCCCAAAAACCCCGGTTGTCTTTCCCGGTAGGAAACAAAAAGC CCATTCAAAAAGGCTTGGCCTTTATAAAAAATCCAAAGGGCCCATGGGGTCCCCACCC TGGGGGAAATCGCTCAACTTTGAAAAACAAAAACAACCTTCTGGACCAACTTTTTGTT AAAGGCCCTTTCCGGATGAACCCCTTTCCAAGACAACTGGTCAAACCTGTCCTGAA ACAAGGATCCCCGCGGCTCTGGTATGAACACAATGGCCGGTTCAGACCATCCACCC AAAATGCCCATGCCGATTATAATGACCTTTGAACACCCGCGATTATACCACAACTTTTTG AACCTGCCACATGGTTGGGAAAAAAGAATGCCCTTCCCTTGGTGAAGAAAAACCC GGGCCATTTTTTACATGGGATAACGGCAATTTCCACAGATGGTGGGAAATCCCTA CCCGGCAGATAAGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003364
Insert Size:	1250 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:	<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_003364.2 , NP_003355.1
RefSeq Size:	1796 bp
RefSeq ORF:	933 bp
Locus ID:	7378
UniProt ID:	Q16831
Cytogenetics:	7p12.3
Domains:	PNP_UDP_1
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
Gene Summary:	<p>This gene encodes a uridine phosphorylase, an enzyme that catalyzes the reversible phosphorylation of uridine (or 2'- deoxyuridine) to uracil and ribose-1-phosphate (or deoxyribose-1-phosphate). The encoded enzyme functions in the degradation and salvage of pyrimidine ribonucleosides. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 8. Variants 1, 3 and 8 encode the same isoform (a).</p>