

Product datasheet for **SC100062**

UPRT (NM_145052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UPRT (NM_145052) Human Untagged Clone
Tag:	Tag Free
Symbol:	UPRT
Synonyms:	FUR1; UPP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145052, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACGGAGTTACAGTGTCCGGACTCCATGCCCTGTACAACCAGCAAGTAAACTCTGCCTCAACCC
CAAGTCCCAGCAGCTGCGACCTGGCGATCTGATCCTGGACCACGCAGGGGAAACAGAGCCTCCAGGGC
CAAGGTGATTCTCCTCACGGGGTACGCCATTCTAGCCTGCCGGCCGAGCTGGACTCTGGGGCTGCGGC
GGCTCCAGCCTCAACTCAGAGGGCAACAGTGGTAGTGGTACAGTAGCAGCTATGACGCACCAGCTGGCA
ACTCCTTCTAGAGGACTGCGAACTCTCCCGCAGATCGGGCCGAGCTTAAGCTGCTGCCTATGAATGA
TCAGATACGGGAGCTACAGACCATCATCCGTGACAAGACAGCCAGTAGAGGTGACTTCATGTTTTCTGCC
GATCGTTTGATCAGACTTGTGTGGAAGAGGGATTGAATCAGCTGCCATATAAAGAATGCATGGTGACCA
CTCCAACAGGGTACAAGTATGAAGGAGTAAAATTTGAGAAGGGAAATTTGGGGTGCAGCATAATGAGAAG
CGGTGAGGCAATGGAACAAGTTTACGAGACTGCTGTCGATCCATACGAATTGGAAGATCCTGATTCAG
AGTGATGAGGAGACAAAGAGCCAAAGTATATTATGCCAAATTCACCCAGACATTTACCGGAGAAAAG
TCCTTCTGATGTATCCAATTCTCAGCACTGGAAATCTGTAAATGAAGCTGTAAGGTTCTTATAGAACA
TGGAGTTCAACCCAGTGTATCATCCTACTCAGTCTGTTCTCCACTCCTCATGGTGCCAAATCAATCATT
CAGGAGTTTCCAGAGATCAAAATTTAACTACTGAAGTTCATCCTGTTGCACCTACACATTTGGACAGA
AATACTTTGGAACAGACTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145052 unedited AGCATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGGAAACCAA CAGCGGCTAGGGGTGAAAGGACAGCCAGGGTTAGATGTTCTGAGGAGGCGGGAGCAACC GAGAGAGCACGTGAGCATCTGTCCTTTCTACCCGTTCTCTTTATCTTTAGTGTTGAGTA GCAGCGGGGATAGCCCGGGGCCGGTGTATGGCCACGGAGTTACAGTGTCCGGACTCCAT GCCCTGTACACAACCAGCAAGTAACTCTGCCTCAACCCCAAGTCCCGAGCAGCTGCGACC TGGCGATCTGATCCTGGACCACGCAGGGGAAACAGAGCCTCCAGGGCCAAGTGATTCT CCTCACGGGGTACGCCATTCTAGCCTGCCGGCCGAGCTGGACTCTGGGGCTGCGGCGG CTCCAGCCTCAACTCAGAGGGCAACAGTGGTAGTGGTGACAGTAGCAGCTATGACGCACC AGCTGGCAACTCCTTCTAGAGGACTGCGAACTCTCCCGCAGATCGGGGCGCAGCTTAA GCTGCTGCCTATGAATGATCAGATACGGGAGCTACAGACCATCATCCGGGACAAGACAGC CAGTAGAGGTGACTTCATGTTTTCTGCGGATCGTTTGATCAGACTTGTTGTGGAAGAGGG ATTGAATCAGCTGCCATATAAGAATGCATGGTGACCACTCCAACAGGGTACAAGTATGA AGGAGTGAATTTGAGAAGGGAAATTGTGGGGTCAGCATAATGAGAAAGCGTGAGGCAAT GGAACAAGGTTTACGAGACTGCTGTCGATCCATACGAATTGGAAAGATCCTGATTCAGAG TGATGAGGAGACCANAGAGCCAAAGTTATATGCCAAATCCCCCGACATTACCGAGAAAA GTCTCTGAGTATCAATCTCACACTGGAATACTGTATGAGCTGTAAGGTTCTATGACATGG GTCAACCCATGTATATC
Restriction Sites:	NotI-NotI
ACCN:	NM_145052
Insert Size:	2400 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_145052.1 , NP_659489.1
RefSeq Size:	2179 bp
RefSeq ORF:	930 bp
Locus ID:	139596
UniProt ID:	Q96BW1
Cytogenetics:	Xq13.3
Protein Families:	Druggable Genome

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Gene Summary: This gene encodes uracil phosphoribosyltransferase, which catalyzes the conversion of uracil and 5-phosphoribosyl-1-R-diphosphate to uridine monophosphate (UMP). This reaction is an important part of nucleotide metabolism, specifically the pyrimidine salvage pathway. The enzyme localizes to the nucleus and cytoplasm. The protein is a potential target for rational design of drugs to treat parasitic infections and cancer. [provided by RefSeq, Nov 2009]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.