

Product datasheet for **SC217338**

Phosphoribosyl pyrophosphate amidotransferase (PPAT) (NM_002703) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Phosphoribosyl pyrophosphate amidotransferase (PPAT) (NM_002703) Human 3' UTR Clone
Symbol:	Phosphoribosyl pyrophosphate amidotransferase
Synonyms:	ATASE; GPAT; PRAT
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002703
Insert Size:	2000 bp



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Insert Sequence: >SC217338 3'UTR clone of NM_002703
 The sequence shown below is from the reference sequence of NM_002703. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAAAATATCCTGTAGAATTAGAATGGTAGCTGGTAGGGTGGATGTGTGTAGTTTCAAGATAGAAAAGT
TGGTCAAGAAGTTATAGTGGTCACACCTCATCTATTTACTGTTACTCAGTTGGTACAATGTAAAATGCC
ATGCTTATGTTTATAAGTTTTGAGATTTTTTTTTTTTCTGAAAAGGATACCAAAGTGCATAAAGTGAAC
ATTTCCAATTGCATATAATACAACAATATGTGGTGTCTTTTTTTTACACAAGCATTGGCTAGCCTTTT
TAACCTGGTCAGAGAAGGCAGGTGGTCACTGACATTTCCCAAGTCCATGCTTTAAAGGGTTTGAAGAA
GTTAGGGTTAAGGAGAGGTGATGCCAACAGACAGGTGAGTTAAATATACCATTTACACAAAGTTTGA
ATAGAATACATTACCTCATAGGTGTCTAGCCTCTACAGTTCTGGCTGTAGTTATGACCTTGGCTTCC
CTGTCTAACTGTAGACAAATCTTAAAAAAAATAATAATAATCTGGTGCCTCAGTTTCCCACATGTG
CAATGGGATACTTATAAATAATTAATAAGAATGTGAATAAGTGTACATACTTTTGTGATTTGAGCCATC
ATTTCACTTCTGATTTTAAAGACAACCTATGATTGTTAGCTTTCAGAAAAGCTAATGATTGTTAACTTTTT
GAAATTAGTTTACAATTAATTAAGATTTTATTATGATGGAAGGAGACATAATTGGCAGATCTTTGCCAT
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ACCACTTTGGGGAATTAGTATCAACTTACAATCCAAGTCCAAGTATCATCTTATAATCACTTTTTTCTA
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TTAAGATGACTTGACCCCAAACCTTTGTTTATGTAAGAATTTTTAAACATAAAAGTGTGTTTCTGTT
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ACTGTTTGTCTTCTTTGGTATATAGTCTCGCATATTATATTATAGCAGGCCAAGATAAAATTTTGACA
GCTCTTTAAGCCACATGCAGCAGTGGTCCAGATAACCCTGTGGCAGTGACACGGGCAAATTTGGCATT
GAATAAAGCCCTGGGACCACCTCAACATGCGTAGCCTCTTGTCTTAAATGTACTCCCATGGCAGCATG
GAGGAGGCAAGACCTGTGGTCAATTTGAACTGGCCTTACTTTGATTTTTAAAACAAGAGACTCAGGG
AAAGTACTAAACCAAAATCTCTGATTTTACTTTGCGTTTTCTGTAGTTTTGTTTTACTGAGATGCTTT
TGTAAGGAAAATAATACTGTGACAGTTTAGTAATTCTACAGATTCTTAATATTTCTCCATCATGGCCT
TTTACTTCACAATTTTCTGAAGTCTGAATTCATTAATAATTTTTTTTACCAATTTAATCTCAAATGTT
GTTTAACTGCTTAAATTCATATACGTAGAGTATTATAAACTGCAGAGATGAAAAATGTGTTTTACGG
GATTTATATTGTGAATAAACTAAGCCTACTTTTTGTGACTTATTTGTGATGCCTTGTGATAAATAT
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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: [NM_002703.5](#)

Summary: The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. It is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthetic pathway. This gene and PAICS/AIRC gene, a bifunctional enzyme catalyzing steps six and seven of this pathway, are located in close proximity on chromosome 4, and divergently transcribed from an intergenic region. [provided by RefSeq, Mar 2011]

Locus ID: 5471

MW: 76.7