

## Product datasheet for **SC211646**

### PRPS1 (NM\_002764) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PRPS1 (NM\_002764) Human 3' UTR Clone  
**Symbol:** PRPS1  
**Synonyms:** ARTS; CMTX5; DFN2; DFNX1; PPRibP; PRS-I; PRSI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_002764  
**Insert Size:** 1024 bp  
**Insert Sequence:** >SC211646 3'UTR clone of NM\_002764  
 The sequence shown below is from the reference sequence of NM\_002764. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTTACCTATTGACCCATGTCCCTTTATAATAGAGTAACTTCTGAGGCTTTTTGAGAATAAAATCCACC
CCACCCTTGTTCCCTTGGTATTTGATGACAAATTCAGCAGAAGACCCGGCTTGCTCCAGTGTAGCTT
TCTACATCCCACATCAGGTATATTAGAGCTTATCCGAAGTGGGAAAGACGGATTGAGATTAAGTCTG
GGACCTCTACCTGCATTATCTCATTCTGGCTTCTTGATAATTCTGTGGCCTTGACGCTTAACTAT
AGCTCAGCTGCTCAAGATTTGAGACTTTGAGGATGTTGTGTGAGGGTGTGACTGTGACTGGGGAA
GCTCAGACTACTTTGTATGTGAATGCTTCAGGGTTTTCTTTGTTGAGAACAAGTGAACAAGGCAAC
CCATGTGTGACCAGTTCTCCCAAGGTCTATGCTAAATTATAGCAAGAGCCCTGGGCAACCCCAACCT
AGTCTGGTAGCTGAGCACCTGTAAGGCAGGAGCAGGCAGCTCAGCTTGAGCAGACATTGGGTGGGGG
GTGGGGGGTGGTTGAGGGGGGAGGCAGCACAGTGCAGCAAATGTTTCTGGGAGGAAGAAGCCTGATCC
ATCACCATCTGCTTGACTATGTAGCTTGGATTCTCCTTTGTACCTATCCCTTTGATTTGGCTTTACCT
TCATCTATCTTGATCCTTTCTGGCCAAATATCCTCTGGGCCAAATGAACATTGTACCATAGTCTTC
TGGAAAGCAAACATGCTTCTGCTATGTAATTGCTAACATTCATATTAGATGATGCTGTAGCTTGAT
CTTCCTTAGCCTACTGCCACTGAGGCAGTAGGTTTTAGGTGGTATCGTAGTGCCTTTTGATTAATTTAA
GTATTTAATTTTCATCTTCTTCTTTGGATCTATTTGGCCTCTCAAATGAACTGAGATTCCTGTTAAAA
AAGATTGATGTTATTGTCTCTTGTAGAGGAACTAATAAAGTGTGTGTACCTGTGTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_002764.4</a></u>
<b>Summary:</b>	This gene encodes an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Defects in this gene are a cause of phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]
<b>Locus ID:</b>	5631
<b>MW:</b>	37.1