

Product datasheet for **SC212690**

CPS1 (NM_001122634) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CPS1 (NM_001122634) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CPS1
Synonyms: CPSASE1; PHN
ACCN: NM_001122634
Insert Size: 1165 bp
Insert Sequence: >SC212690 3'UTR clone of NM_001122634

The sequence shown below is from the reference sequence of NM_001122634. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGCAGTACAGTGCTGGAAAAGCAGCATAGAGATGCAGACACCCAGCCCCATTATTAATCAACCTGA
GCCACATGTTATCTAAAGGAAGTATTCAACTTTCTCAGAGATGAATATTGATAACTAACTTCATT
TCAGTTTACTTTGTTATGCCTTAATATTCTGTGCTTTTGAATTAATTTGTCAGTCACTTCTTCAAAA
CCTTACAGTCTTCTAAGTTACTCTTTCATGAGATTTTCATCCATTTACTAATACTGTATTTTGGTGGA
CTAGGCTTGCTATGTGCTTATGTGTAGCTTTTACTTTTATGGTGCTGATTAATGGTGATCAAGGTA
GGAAAAGTTGCTGTTCTATTTTCTGAACTCTTCTATACTTTAAGATACTCTATTTTAAAACTATC
TGCAAACCTCAGGACACTTAAACAGGGCAGAATACTCTAAAACTTGATAAAATTAATATAGATTTAAT
TTATGAACCTCCATCATGATGTTTGTGATTGCTTCTTTTGGATCCTCATTCTCACCCATTTGGCTA
ATCCAGGAATATTGTTATCCCTCCCATTAATTGAAGTTGAGAAATGTGACAGAGGCATTTAGAGTAT
GGACTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
GCAGTGGCACAATCTCGGCTCACTGCAATTTCCGTCTCCCAAGTTCAAGCGATTCTCCTGCTTAGACT
ATGGATTTCTTTAAGGAATACTGGTTTGCAGTTTTGTTTTCTGGACTATATCAGCAGATGGTAGACAGT
GTTTATGTAGATGTTGTTGTTTTATCATTGGATTTTAACTTGGCCCGAGTGAATAATCAGATTTT
TGTCATTCACACTCTCCCCAGTTTTGGAATAACTTGAAGTAAGGTTTCCCTTAAGACGATGGAT
TCTGTTGAACTATGGGGTCCCACACTGCACTATTAATCCACCCACTGTAAGGGCAAGGACACCATTCC
TTCTACATATAAGAAAAAGTCTCTCCCAAGGGCAGCCTTTGTTACTTTTAAATATTTTCTGTTATTA
CAAGTGCCTAATTGTGAACCTTTTAAATAAAATACTATTAAGAGGTAAAAAAAAAAAAAAAAAAAA
ACGGGTAAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG

```

Restriction Sites: SgfI-MluI



[View online »](#)

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_001122634.3
Summary:	The mitochondrial enzyme encoded by this gene catalyzes synthesis of carbamoyl phosphate from ammonia and bicarbonate. This reaction is the first committed step of the urea cycle, which is important in the removal of excess urea from cells. The encoded protein may also represent a core mitochondrial nucleoid protein. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion. Mutations in this gene have been associated with carbamoyl phosphate synthetase deficiency, susceptibility to persistent pulmonary hypertension, and susceptibility to venoocclusive disease after bone marrow transplantation.[provided by RefSeq, May 2010]
Locus ID:	1373
MW:	45.2