

Product datasheet for SC212692

CPS1 (NM_001122633) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CPS1 (NM_001122633) Human 3' UTR Clone
Symbol:	CPS1
Synonyms:	CPSASE1; GATD6; PHN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001122633
Insert Size:	1152 bp
Insert Sequence:	>SC212692 3'UTR clone of NM_001122633 The sequence shown below is from the reference sequence of NM_001122633. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGCAGTACAGTGTGGAAAAGCAGCATAGAGATGCAGACACCCAGCCCCATTATTAATCAACCTGA
GCCACATGTTATCTAAAGGAACTGATTCACAACCTTCTCAGAGATGAATATTGATAACTAACTTCATT
TCAGTTTACTTTGTTATGCCTTAATATTCTGTGCTTTTGAATTAATTTGTCAGTCACTCTTCAAAA
CCTTACAGTCCTCCTAAGTTACTCTTCATGAGATTTCCATCCATTTACTAATACTGTATTTTGGTGGA
CTAGGCTTGCCTATGTGCTTATGTGTAGCTTTTTACTTTTTATGGTGCTGATTAATGGTGATCAAGGTA
GGAAAAGTTGCTGTTCTATTTCTGAACTTTCTATACTTTAAGATACTCTATTTTTAAAACACTATC
TGCAAACCTCAGGACACTTAAACAGGGCAGAATACTCTAAAAACTTGATAAAATTAATATAGATTTAAT
TTATGAACCTTCCATCATGATGTTTGTGATTGCTTCTTTTTGGATCCTCATTCTCACCCATTTGGCTA
ATCCAGGAATATTGTTATCCCTCCCATTAATGAAGTTGAGAAATGTGACAGAGGCATTTAGAGTAT
GGACTTTCTTTCTTTTTCTTTTTCTTTTTCTTTTTGAGATGGAGTCACACTCTCCAGGCTGGAGT
GCAGTGGCACAATCTCGGCTCACTGCAATTTCCGTCTCCAAGTTCAAGCGATTCTCCTGCTTAGACT
ATGGATTTCTTTAAGGAATACTGGTTTGCAGTTTGTCTGGACTATATCAGCAGATGGTAGACAGT
GTTTATGTAGATGTGTTGTTTATCATTGGATTTAACTTGGCCCGAGTGAATAATCAGATTTT
TGTCATTCACACTCTCCCCAGTTTTGGAATAACTTGAAGTAAGGTTTCATTCCCTTAAGACGATGGAT
TCTGTTGAACTATGGGTCCCACACTGCACTATTAATCCACCCACTGTAAGGGCAAGGACACCATTCC
TTCTACATATAAGAAAAAGTCTCTCCCAAGGGCAGCCTTTGTTACTTTTAAATATTTTCTGTTATTA
CAAGTGTCTAATTGTGAACTTTTAAATAAAATACTATTAAGAGGTAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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_001122633.3
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:	44.6