

Product datasheet for RN212123

Cps1 (NM_017072) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cps1 (NM_017072) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cps1
Synonyms:	cps; cps-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212123 representing NM_017072 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGAGGATTTTGACAGCATGCAAAGTGGTGAAGACTGAAGAGTGGCTTTGGTTTGGCCAATGTGA
CTTCGAAGCGACAGTGGGACTTCTAGACCTGGCATCAGGCTCCTTTCTGTGAAGGCACAGACAGCACA
CATTGTTCTGGAAGATGGAAGTAAAGTGAAGGGTACTCCTTTGGCCATCCCTCCTCGGTTGCTGGCGAA
GTGGTTTTTAATACTGGCTTAGGAGGGTACTCGGAAGCACTTACTGATCCTGCCTACAAGGGGCAGATCC
TCACCATGGCCAACCCTATCATTGGGAATGGTGGGGCCCCTGATACAACGGCACGTGATGAAGTGGGACT
GAATAAGTACATGGAGTCTGATGGAATCAAGGTGGCGGGTCTGCTGGTGTGAATTACAGTCATGACTAC
AACCCTGGCTGGCCACCAAGAGTCTGGGTCAAGTGGTGCAGGAGGAGAAGGTCCCTGCAATTTATGGAG
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TGCTAGTTAAGCGAGGAGCGGAAGTGCATTTGGTCCCTTGGAAATCATGACTTACCAGATGGACTATGA
CGGACTTCTGATCGCTGGAGGACCTGGGAACCCAGCTCTGGCACAGCCACTAATTCAGAACGTGAAGAAG
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ATCCGTGCAGACCAACGAGGTGGGATTGAAGCAGGCAGATGCAGTCTACTTTCTCCCTATCACCCCCAG
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TGAACTGTGGAGTGGAACTATTCAAGAGGGGTGTGCTCAAGGAATATGGTGTGAAGGTCTTGGGAACATC
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 GGATCTTGGCACAAGGCATTTGCTATGACCAACCAGATCCTGGTGGAGCGGTGAGTGACAGGTTGGAAA
 GAAATAGAATATGAAGTGTCCGAGATGCGGATGATAACTGTGTCACAGTCTGTAACATGGAGAATGTTG
 ACGCCATGGGTGTTACACAGGTGATTCAGTTGTTGGCCCGCCAGACCCTCCAATGCAGAGT
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 TCCAGAAATCAAGAATGTTGTGCTGGGAAGACCTCAGCCTGTTGCAACCTAGCCTGGATTACATGGTG
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 GCCAACTCTACTTTGAAGAGCTGTCTTTGGAGAGAATCCTAGATATCTACCACAGGAGCAGTGAAT
 GGCTGCATCATATCAGTCGGGGGCCAGATTTCAAACAACCTTGGCGGTTCCGCTATACAAGAACGGGTCA
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 CTGAGGATGAGATGAAAAGGTTCTTGAGGAGGCCACTCGAGTCTCTCAGGAACACCCAGTGGTGTGAC
 CAAGTTTATTGAGGGGCTCGGGAAGTGGAGATGGACGCTGTTGGCAAAGAAGGACGGGTCTATCCCAT
 GCCATCTCTGAACATGTTGAAGATGCAGGTGTCCACTCAGGGGATGCCACACTGATGCTACCTACGCAGA
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 TCGGAGAGAGTGTGATGAGAAGCATCTACCCACACTGGAACAACCCATCATCCCCTCTGACTATGTTGC
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 TCTACTGGAGAGGTGGCGTGTTTGGTGAAGGCATTATACAGCCTTCTAAAGGCAATGCTGTCCACAG
 GGTTTAAGATACCTCAGAAGGGCATTCTGATTGGCATCCAGCAATCATCCGTCGAAGATTCTTGGTGT
 TGCTGAGCAGTTACACAATGAAGGTTTCAAGCTTTTGGCACAGAAGCCACATCAGACTGGCTCAACGCC
 AACAATGTTCTGCCACCCAGTGGCTTGGCCATCTCAGGAAGGACAGAATCCAGCCTCTCTCCATCA
 GAAAGTTGATAAGAGACGGAAGCATTGACCTAGTGATTAACCTCCCAATAACAACACCAAAATTTGTCCA
 TGATAATTATGTATTCCGAGGACAGCTGTGGACAGTGAATGCTCTGCTCACCATTTCCAGGTGACC
 AAATTTTTGCTGAGGCTGTGCAGAAAGCTCGTACTGTGGACTCCAAGAGTCTGTTCCACTACAGGCAGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_017072
 Insert Size: 4503 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_017072.2 , NP_058768.1
RefSeq Size:	4838 bp
RefSeq ORF:	4503 bp
Locus ID:	497840
UniProt ID:	P07756
Cytogenetics:	9q32
Gene Summary:	catalyzes synthesis of carbamyl phosphate from NH ₃ , HCO ₃ , and 2ATP [RGD, Feb 2006]