

Product datasheet for **SC321521**

CSTP1 (CPPED1) (NM_018340) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSTP1 (CPPED1) (NM_018340) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSTP1
Synonyms:	CSTP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_018340.1
 GCCCAAAGCGGGACAGGTCCAGCGGTTGTTCTGTGTGAAGTCGCGCGGCTTCCACCCACG
 CAGTGTCTAAGTGAAGGCCAGAACTCGCTCGCCATGTCGGCTGCAGAGGCGGGGGTG
 TTTTCCACAGAGCCAGGGGACAGGACCTGGACGCGTTTCCCGCAGAAAAGGAAAGCGAAT
 GGAAAGGCCCATTTCTACTTCATCTGGGCGCAGACCCACAGTTTGGGCTGATCAAGGCCT
 GGTCCACTGGGACTGTGACAATGGCGGTGACGAATGGGAACAGGAGATCCGTCTAACTG
 AGCAAGCCGTCCAGGCCATCAACAAGCTGAACCCAAACCCAAATTCTTCGTTCTGTGCG
 GCGACCTCATCCACGCCATGCCAGGGAAGCCGTGGCGGACGGAGCAGACGGAGGACCTGA
 AGCGAGTGCTTAGGGCAGTGACAGGGCCATCCCACTGGTCCTTGTACGCGCAACCATG
 ACATTGGCAACACCCCCACGGCCGAGACCGTCGAGGAGTTCTGCCGGAATTGGGAGATG
 ACTACTTCAGTTCTGGGTGGGGGCGTCTGTTCTGGTCTCAACTCCAGTTCTACG
 AGAACCCTCCAAATGCCCCAGCCTGAAGCAGGCTCAGGACAGTGGCTGGACGAGCAGC
 TGAGCATCGCAGGCAGCGCACTGCCAGCATGCCATCGTCTTCCAGCACATCCCGCTGT
 TCCTGGAGAGCATCGACGAGGACGACGACTACTACTTCAACCTCAGCAAGTCCACTCGGA
 AGAAGTTGGCAGACAAGTTCATCCACGCAGGTGTCAGAGTCGTGTTCTCAGGCCACTACC
 ACAGGAATGCCGGGGTACCTACCAGAACCTCGACATGGTGGTGTATCTGCCATTGGAT
 GCCAGCTGGGCAGAGACCCACGGGCTCCGAGTCGTGGTGGTACCGCCGAGAAAATTG
 TTCACCGATACTACAGTCTAGATGAGCTGAGTGAGAAAGGAATAGAAGACGATCTCATGG
 ATTTGATCAAGAAAAATGACGCTCCTTCCCGTCCCGTTCACTTTTCACTTGCACTATT
 TTTTATTTTGGCAGAAACAGCAGCTGCACACAACCTCTTGCTGAAATATAAAATAGCC
 CAGGCAGGTTTGTGAATTTATGTCCTTTTGATAAATCAGAGAGCTGGGGCCCTGTCCTG
 AATTATATTTCAAAATAGAAGTGCATTTCTTTAAATGGAGCGAATGATCCTGGAATCA
 GTTTTAAAATATTAGACTATCTCTGCATGGATGTTTGAATAAATCTCCTAATGCTGTG
 TTTCTCAACTCCACTTTTGAATTGGATTGTATTCTGGTTAGCATATGGTCAAAGTCTGCC
 TATCGACCTCAATTCCAATCTGACAGCCAAGTATGATCTTTGATAATTCCTTAAACAAAC
 TACACCTGATTGTATTAATTGTGGTCACGATCCCAAAACGCTAGGCAAAACAAAGTTC
 ATCTCCTTTCCTTCCAGCGGAACGAACAGCTGTCTGCCTTGTGTGAGAGCCATGCAGA
 CTTATTTTGACAAGGAGCCAAGTAGGCACCATTTACTGTTCAATTCTGAGACTTCTGATG
 ATAGGAACAGAATGCAGTTGATACAGCTCGGAGCTTAAATTTGCCTTCTGGGTGCCTAG
 AAAAGTCACTTTGCACATAAATGGCCATTTCTGAAAATCTCCTCAAGAGACTGAAAC
 CAAAGCTCTAAACGCCGCTTCTTCAGTCTCTGGGAGCAGCTTGAGTTGGTTCACATCC
 ACATTCTGGCTGTGTAGCACTCCACAGATGGGTGGTCTCTTGGGATCAGAAATGCCCTC
 CACTCATGAGACTCTTCATTTTGTCCAATTGACAGGAAAAGTGGGAATGTATGCAGAGC
 TCTCAAAAGAAACAAAAAGGCCAAAACGGTGCCTTCAGCCACATCCTCTGAATTGGCCC
 TGACTTGGACTAAATGCACTAATGCAAAATCCCTTGACAAAAGCGCATAGGTTATTTCAA
 ACCAGCATTGTTTTTATGTAACCTGTTTTACCGCATCTTCTCAGCAGCTTCTGACCACT
 GCTCAATTTTCTCCTTTACAGCCATTGTTCTGGTGGACAAATAACCTAGGTACTCCAAAT
 CCTGGCAGGAAAAATATACAGCATTATGAAACAGCACTCAGTAATCCTAAATGATTTCC
 AAAGCTGGTTACACATGACCTGCAAAGTCTATTAATTTAAAGACTTTCTCATTACAGAG
 TTTAGTCAACGTAGCAAAACCATGGGAAATTAATGGAAGATAATTAATATGTAAATT
 CATAAGGAACAAAAGACGAGAAGTTAATTATACAATAGGCTGGTGACACCAGAGTTCATT
 GTTATGTGCCACAAGAAATTAATTTTTTAAAAAAGTAAACGCTCTTCTTTTGTGTT
 TTGCTGAAATCCTGTTTTGTATTTGTTTCTTTACAACAGGTGTAGGTATAGGAGGTCAAG
 AAAAGGAGTTCGGTAAAGGCATAGCTAATAACAACACACATTGGGCCAGGCGCAGTGG
 CTTACGCCTGTAATCCAGCACTTTGGGAGGCTGAGACGGGCAGATCACCTGAGATCAGG
 AGTTTGAGAACAGCCTGGCCAACATGGTGAACTCCATCTCTACTAAAAATACAAAAATT
 AGCCAGGCATGCTGGTGCACACCTGTAATCCAGCTACTCGGGAGGCTGAGGCAGGAGAT
 CGCTGGAAGTCAAGAGGCAGAGGTTGAGTGAGCAAGATCATGCCACTGCACTCCAGCC
 TGGGCAACAGAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_018340
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_018340.1, NP_060810.1</u>
RefSeq Size:	2845 bp
RefSeq ORF:	945 bp
Locus ID:	55313
UniProt ID:	<u>Q9BRF8</u>
Cytogenetics:	16p13.12
Domains:	Metallophos
Gene Summary:	Protein phosphatase that dephosphorylates AKT family kinase specifically at 'Ser-473', blocking cell cycle progression and promoting cell apoptosis. May play an inhibitory role in glucose uptake by adipocytes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.