

Product datasheet for RN208665

Cpped1 (NM_001013963) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpped1 (NM_001013963) Rat Untagged Clone
Tag: Tag Free
Symbol: Cpped1
Synonyms: RGD1306568
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN208665 representing NM_001013963
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGCTGCGGGGCGCGGATGTTTTCCATAGAGCCCGGGCAGGACCCCTGGACGCGTTTTCTCAG
 AAAAGGAACGGGAGTGGACAGGTCCATTCTACTTCGTCCAGGGTGCAGACCCCTCAGTTGGGCTGATGAA
 GGCTGGTCCACCGGAATTGTGACAACGGCGGTGATGAGTGGGGCAGGAGATCCGTCTCACGGAGCAA
 GCTGTTGAGGCCATCAACAAGCTGAACCCAAACCAATTCTTTGTTCTCTGCGGTGACCTCGTTCATG
 CCATGCCAGGAAGTCTGTCGGCGAAAGAACAGACCAGGGACCTGCAGCGAGTACTGAAGGTCGTGACCA
 GGACATCCCAGTGGTGTGGTCAAGCGCAACCATGACTTGGGCAATGCCCCACAGCCGAGACTGTGGAG
 GAGTTCTGCCAGACATGGGGAGATGACTACTTCAGTTCTGGGTGCGGGGTGCCCTGTTCTCCTGGTCTCA
 ACTCCCAGTTCTGTACGATGCCTCCAAGTGCCTGCACTGAAGCAGGCCAGGACCACTGGCTAGACCA
 ACAGCTGAGCATCGCAGAGCAGCAGCAGTGCAGCATGCCATTGTCTTTCAGCACATCCCCTGTTCTCTG
 AAGAGTATTGATGAGGATGACGACTACTTCAACCTCACCAAGACCGTGCAGAGGAACTGGCCGACAAGT
 TCACCAGAGCAGGTATCCGAGCCGTGTTCTCCGGCCACTACCAGGAATGCTGGGGAACTACCAGAA
 TCTTGACATGGTGGTTTCATCTGCCATCGGGTCCAGCTAGGCAAAGACCCATGGGCTCCGGGTGGTG
 GTCGTCAGTGCAGAGAAAATTGTCCACCGTTACTACAGTTTAGATGAAGTGAAGGAGGACTGGATG
 ACGACCTGAGAGAACTGCTGAAGGAGTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001013963



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Insert Size:	939 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:	<u>NM_001013963.1</u> , <u>NP_001013985.1</u>
RefSeq Size:	2103 bp
RefSeq ORF:	939 bp
Locus ID:	302890
UniProt ID:	<u>Q66H71</u>
Cytogenetics:	10q11
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 (By similarity).[UniProtKB/Swiss-Prot Function]