

Product datasheet for **MC205640**

Ctps (NM_016748) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctps (NM_016748) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctps
Synonyms:	Ctps1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC006698
 CCGCTGGCGCATGCGGCCCGGCCGAGCACTGGCTGCCCGAGGCTCACCACGCGCGCGCCGGCCTTCTGT
 GGCTGACACGAGACTCCGAAGCCGGCCTCAGGTTAAAAGAAAAATGAAGTACATTCTAGTTACTGGTGGT
 GTTATATCAGGAATTGGAAAAGGAGTATCGCCAGCAGTGTGGGCACAATACTTAAATCATGTGGCTTAC
 ATGTAACATCAATTAAGATTGACCCCTATATTAACATTGATGCAGGAACATTCTCTCCTTATGAACATGG
 AGAAGTCTTTGTGCTGGATGATGGTGGAGAAGTTGACCTTGACTTGGGAAATTATGAGCGATTCTTTGAT
 ATCCGTCTACCAAGGACAATAATCTGACCACAGGGAAGATATACCAGTACGTCATTAACAAGGAGCGCA
 AAGGGGATTACTTAGGGAAGACTGTCCAGGTTGTCCCTCACATCACTGATGCAATCCAAGAGTGGGTGAT
 GAGACAGGCATTAAATACCCGTAGACGAAGATGGCTTAGAACCTCAAGTGTGTGTTATTGAGCTTGGTGGC
 ACAGTGGGAGACATTGAAAGCATGCCCTTCATTGAGGCCTTCCGCCAGTTCAGTTCAGGTCAAGGTCAAGAGGG
 AAAACTTTTGTAAATCCATGTCAGTCTGGTTCCTCAGCCAAGTTC AACAGGGGAACAGAAGACAAAACC
 CACCCAGAACAGTGTTCGGGAACCTAGAGGACTCGGGCTTCTCCAGACTTAGTGGTGTGCAGGTGCTCA
 AATCCTCTTGACACATCTGTAAAGAGAAAATATCAATGTTTTGCCATGTGGAACCTGAACAAGTATCT
 GTGTTTCATGATGTTTCATCCATCTACCGGTACCCTTGTGTTAGAAAGAGCAAGGGGTTGTAGACTACTT
 TCTTCGGAGACTTGACCTTCTATTGAGAGACAGTCACGAAAGATGCTGATGAAATGAAAGAGATGGCA
 GACAGGTATGACCGCTTGTGGAGACCTGCTCGATCGCTTGTGGGCAATACACCAAATCTCAGACT
 CGTACGCCTCTGTCAATTAAGCGCTAGAGCACTCTGCATTGGCCATTAACCACAAGCTGGAGATCAAGTA
 CATCGATTCCACAGACCTGGAGCCAAGTACCCTGCAGGAAGAGCCTGTGCGCTACCATGAGGCATGGCAG
 AAGCTCTGCAGTCTCATGGAGTCTGGTTCAGGAGGATTCCGGTGTTCGGGGAACAGAAGGAAAAATTC
 AAGCAATTGCTTGGGCTCGGAAACAGAAGAAGCCTTTTTTGGGTGTGTGCTTAGGAATGCAGCTAGCAGT
 GGTAGAATTTTCAAGAAATGTGCTGGGATGGCAAGATGCCAATTTACAGAGTTTGACCCCAAGACTAGT
 CACCCTGTGGTTATAGACATGCCAGAACATAACCCTGGGCAATGGGTGGAACCATGAGGCTGGGCAAGA
 GAGAACCCTGTTCCAGACCAAGAACTCAGTCATGAGGAAACTCTATGGAGACACAGACTACTTGGAAAGA
 AAGGCACCCGCCACCGATTGAGGTGAACCCAGTCTGAAAAAGTCTTGGAAAGAGCAAGGCTTGAAGTTT
 GTTGGCCAAGATGTGGAAGGCGAGAGGATGGAGATCGTGGAGTTGGAAGATCATCCATTTTTTGTGGAG
 TGCAGTATCACCCGAGTTCCTGTCCAGGCCTATCAAGCCCTCCCACCCTACTTTGGCCTCCTCCTGGC
 CTCTGTGGGGCGGCTCCACATTACCTTCAGAAAGGTTGCCGGCTCTCACCCAGGGACACTTACAGTGAC
 AGAAGCGGGAGCAGTCCCCGACTCGGAAATCACTGAACCAAGTTCCATCAATAAGTCAGGACTGAT
 CTGGATGAGTCTCAACTCAGCTTTGACAGTTTACAACATGATTTTACATCCTGCTTTTGACACTTCT
 TTTAAATTATGTTTTTATTAAGATTATTTTATTATGGGGGAAAAGCATTGGAAAACCTTTGTCACTTGCA
 TGTCCCGTCATTTATACTTGATCTGCAACACATGTATTTGTGCGACAATAATACCTTTGCAGTTTTTGT
 GCTTCTGTGATGGAAACAGGACTCTGGATGGAACCTGATGGTGGCTGCTGGCTATGTTAAGGGCCATC
 AACCCACTTGTTCAGCCACTCGAGTCACTGTGATTGGAGTGAATTGCTGTTGCTCCCTGGGGTGCC
 AGGACTCCCAGTGTGGGCTGCTAACTGGGTGTTGCTGACATCTCAGTGTGCTGAGTTACAGGGGACTA
 GGTGCCAGCTGTGGTTCGCCATCCAGAGGGTGTGTTGGTCTTTGGTACATCAAACCTCTGTCTGT
 ATAAAGTATCATATAAAAACCCCGGTCTCTGGCTACACTTTCTATTCTGGGGCTGAGAAAACCTCTTG
 CATCAAGGGGTCAAGAAACACGGAATTTAGGGTAACCGGTTCTAAAGCCCTCTCTTGTGTGTGCACCGT
 TGGCTTGAAGGTATTTTTTTCTCCAGAATGGTGTATTGCATTTGAAATGCAATTTGAAGTATTTTC
 TTAATGTGATATGGCAATGGGCATGACCATGTGCCTACAGTATGGTGGTTAGCTTGATGCATATCTAACT
 TAATAAATAATGCAGAACCAAA
 AAA

Restriction Sites: RsrII-NotI
ACCN: NM_016748
Insert Size: 1776 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>BC006698</u> , <u>AAH06698</u>
RefSeq Size:	2762 bp
RefSeq ORF:	1776 bp
Locus ID:	51797
UniProt ID:	<u>P70698</u>
Cytogenetics:	4 56.52 cM
Gene Summary:	<p>This enzyme is involved in the de novo synthesis of CTP, a precursor of DNA, RNA and phospholipids. Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as a source of nitrogen. This enzyme and its product, CTP, play a crucial role in the proliferation of activated lymphocytes and therefore in immunity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant represents the shorter transcript. Both variants 1 and 2 encode the same protein.</p>