

Product datasheet for **MC217590**

Ctps2 (NM_001168571) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctps2 (NM_001168571) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctps2
Synonyms:	A830031M15Rik; AI326475; Ctpsh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217590 representing NM_001168571
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGTATATCCTGGTTACTGGTGGGGTCATCTCAGGCATTGGTAAAGGGATTATCGCCAGCAGCATTG
GGACTATTCTCAAGTCATGTGGACTCCGAGTTACTGCCATCAAAATTGACCCCTATATTAACATCGATGC
TGGAACTTTCTCACCTTATGAACATGGTGAAGTATTTGTTTTAAATGATGGTGGAGAAGTTGATTTGGAC
CTTGAAACTATGAAAGATTCTTGGACATTAATCTCTATAAAGACAACAACATCACCAGTGGGAAGATAT
ATCAGCATGTGATCAACAAGAGAGGGCGCGGTGATTACCTGGGAAAACTGTTCAAGTTGCCCCATAT
TACTGATGCTATCCAGGAGTGGTTATGAATCAAGCCAAGGTGTCTGTGGATGGCAATAAGGAAGATCCC
CAGATATGTGTTATTGAGCTGGGAGGCACCATTGGAGACATTGAAGGAATGGCATTGTGGAAGCATTCC
GACAGTCCAGTTTAAAGCCAAGAAAGAGAATTTCTATAATTCATGTCAGCCTGTGCCACAGCCAG
TGCTACTGGAGAACAAAAACCAAGCCACGCAAAACAGTGTCCGTGCGCTGAGAGGGTTGGCTGTCT
CCGGATCTGATCGTCTGCCGTAGTTCAACCCCATTTGAGATGGCTGTGAAGGAGAAGATTTCTATGTTTT
GTCACGTGAACCCCTGAACAGGTCATCTGTATCCATGATGTTTTCTCCATCTACCGAGTGCCTCTCCTTTT
GGAGGAGCAAGGTGTGGTTAAATATTTTCAAGAGAGATTGGGCCTGCCATCAATGATTGTTCAAGTAAT
TTGCTTTTCAAGTGGAAAGCCATGGCTGACAGGTATGAGAGATTGCAGAAAAATAGTTCCATAGCCCTGG
TTGGTAAATACACCAAACTCAGGACTGCTACGCCTCTGTGTTCAAAGCACTGGAACACTCAGCCTTGGC
CATCAACCACAAGTTGAACCTGATGTACATAGACTCCATTGATCTGGAGCCAGTCACCAAGCCGAGGAT
CCTGTGAAATTCATGAAGCTTGGCAGAAGCTGTGCTTAGCTGATGGGATTCTTGTGCCCGGAGGGTTTG
GAATCCGAGGAACATTGGGAAAACTCCAGGCAATTTCTGTTGGCAAGGACAAGAAGATTCCATTTCTGGG
AATTTGCCTTGGGATGCAACTGGCAGTGATTGAGTTTGAAGAACTGCCTGAACCTGAAAGATGCTAAT
TCTACAGAATTTGAGCCAAACACTCCAGTCCCATTGGTAATTGACATGCCTGAACACAACCTGGCGATT
TGGGAGGAACAATGAGACTGGGGTTAAGACGAAGTGTTCACAACACTGAAAACCTCATACTGAGTCATCC
ATATTTCAATGGTGTCCAGTTCATCCTGAGTTTTCTTAGGCCAATGAAGCCTTCCCCTCCGTACCTG
GGGCTCTTACTTGACGCAACGGGAATCTGAATGCCCATCTGCAGCAGATGAACAAGCTGCCATACAGTG
ATGGATACAGTGATGCCAGCGATGACAGCTTCCAGAGGCAAAGCTTGTGAACCTGGATCTCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001168571

Insert Size: 1608 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:

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_001168571.1](#), [NP_001162043.1](#)

RefSeq Size: 5453 bp

RefSeq ORF: 1608 bp

Locus ID: 55936

UniProt ID: [P70303](#)

Cytogenetics: X F4

Gene Summary: Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen. Constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides (By similarity).[UniProtKB/Swiss-Prot Function]