

Product datasheet for **RR206162**

Chpt1 (NM_001007750) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Chpt1 (NM_001007750) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Chpt1
 Synonyms: MGC95241
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR206162 representing NM_001007750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGGCGCCGGGGCCAGGCCGGCGCCGCTGGGTGAAGGCGCTAGGTGAGCCGCTCAGCGCCG
 CGCAGCTGCGCGGCTGGAGGACCACCGCTACAGCGCGGGGAGAGTCGCTGTTTCGAGCCGCCGCTGCA
 GCTTTTCTGGACCTGGCTGCTCCAATGGATCCCCTCTGGATAGCCCCAACACCATCACCTCTTCGGC
 CTCGCCATCAACCTGTTACCACACTAGTGCTCATCTTCTACTGCCCTACGGTCACGGAGGAGGCACCAT
 ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAGTCACTGGATGCCATTGACGGAAAACA
 AGCCAGAAGGACAAATTCCTGCTCTCCTTAGGGGAACTGTTTGATCATGGTTGTGACTCTTTCCACA
 GTATTTATGGCTATCGGTGCTTCAATTGCTGTTCTAGGAACACATCCTGACTGGTTGTTTTCTGCT
 CTTTCGTTGGGATGTTTCAATGTTTATTGTGCTCATTGGCAGACTTACGTCTCAGGAGTGTGCGATTTGG
 AAGGGTGGATGTAAGTGAATCCAGGTAGCTTTAGTGATTGTCTTTCTGTTATCTACATTCGGAGGAGCA
 ATGATGTGGGACTATACGATACCTATTCTAGAAATAAACTGAAGATCCTTCCGTTCTTGGAGTTGTAG
 GTGGATTAATATTTCTGTTCAAATATTTCCATGTGATCCTCCATGGTGGTGTGGCAAGAATGGATC
 TACTATTGGCGGCACCAGTGTCTTGTCACTGGACTCCACATAGGATTAATTATTAATTTGGCAATAATG
 ATCTATAAAAACTGCAACAAATGTGTTGAAAAACCCCTTGCCTTTATACATTAATGTTTGGATGTG
 TCTTTGCTAAAGTTGCACAAAAATTTGGTATAGCTCACATGACAAAAAGTGAACATATCTTCAAGACAC
 TGTTTTTATTGGGCCAGGTCTTTTATTTTAGACCAATACTTTAATAATTTTATAGATGAATATGTTGTT
 CTATGGATAGCAATGGTCATTACTTCAATTTGATATGATGATATACTTTAGTTCTTTGTGCCTGCAAATTT
 CAAGACACCTTCACTAAGTATCTTCAAGACTTCATATCAACAAGCACCTGAACAGGTTCAAGCATAT
 TGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR206162 representing NM_001007750
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MAAGAGARPAPRWVKALGEPLSAAQLRRELDHRYSAAGESLFEPPLQLFWTWLLQWIPLWIAPNTITLFG
 LAINLFTTLVLIFYCPTVTEEAPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLSLST
 VFMAIGASIAVRLGTHPDWLFCSFVGMFMFYCAHWQTYVSGVLRFRGRVDVTEIQVALVIVFLSLTFGGA
 MMWDYTIPILEIKLKILPVLGVVGLIFSCSNYFHVILHGGVGNKSTIAGTSVLSPLGHIGLIILAIM
 IYKKSATNVFEKHPCLYTLMFGCVFAKVAQKLVIAHMTKSELYLQDVFVIGPGLLFLDQYFNNFIDEYVV
 LWIAMVITSFDMMIYFSSLCLQISRHLHLSIFKTSYQQAPEQVHKHID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007750

ORF Size: 1194 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001007750.1](#), [NP_001007751.1](#)

RefSeq Size: 1555 bp

RefSeq ORF: 1197 bp

Locus ID: 362866

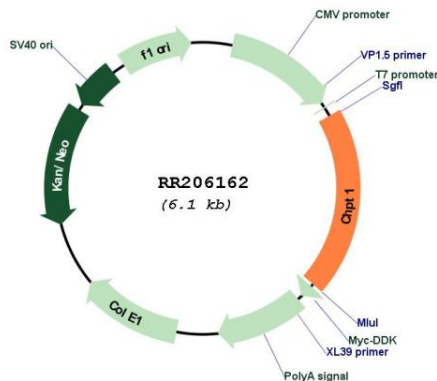
UniProt ID: [Q66H21](#)

Cytogenetics: 7q13

MW: 44.6 kDa

Gene Summary: Catalyzes phosphatidylcholine biosynthesis from CDP-choline. It thereby plays a central role in the formation and maintenance of vesicular membranes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR206162