

Product datasheet for MR223977

Chpt1 (NM_001146690) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chpt1 (NM_001146690) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Chpt1
Synonyms: MGC28885
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223977 representing NM_001146690
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGGCGCCGGGGCCAGGCCGGCGCCGCTGGGTAAGGCGCTAGGTGAGCCGCTCAGTGCCG
 CGCAGCTGCGCGGCTGGAGGAGCACCGCTACACCGCGGTGGGAGAGTCGCTGTTGAGCCGCCGCTGCA
 GCTTTACTGGACCTGGCTGCTCCAATGGATCCCCTCTGGATGGCCCCAACACCATCACCTCATCGGC
 CTCGCCATCAACCTGGTCAACACTAGTGCTCATCTTCTACTGCCCTACAGTCACGGAGGAGCCACCAT
 ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAGTCACTGGATGCCATTGATGGGAAACA
 AGCCAGAAGGACAACTCTTGCTCTCCCTTAGGGGAACTATTTGATCATGGTTGTGACTCTTTCCACA
 GTATTTATGGCCATCGGCGCTTCCATTGCTGTTGCGCTAGGAACACATCCTGACTGGTTGTTTTCTGCT
 CTTTCGTTGGGATGTTTACTGTGCTCATTGGCAGACTTACGTCCTCAGGAGTGTTAAGATTTGG
 AAGGGTGGATGTCAGTACGATCCAGGTAGCTTTAGTGATCGTCTTCATGTTGTCAACATTTGGAGGAGCA
 ACAATGTGGGACTATACGATACCTATTCTAGAAATAAACTGAAGATTGTTCCGGTCTTTGGAGTTGAG
 GTGGATTAATATTTCTGTTCAAATATTTCCATGTGATCCTCCATGGTGGTGTGGCAAGAATGGGTC
 TACTATTGCAGGCACCACTGTCTTGTCACTGGACTCCACATAGGATTAATTATATTTGGCAATAATG
 ATCTATAAGAAGTCTGCAACAAATATGTTGAAAAACATCCTTGCCTTTACTTTAATGTTGGATGTG
 TCTTTGCTAAAGTTGCACAAAATTTGGTATAGCTCACATGACGAAAAGTGAACATATCTTCAAGACAC
 TGCTTTATTGGGCCAGGTCTTTTATTTTAGACCAATACTTTAATAATTTTATAGATGAATATGTTGTT
 CTGTGGATAGCAATGGTCATTTCTCATTTGATATGATGATATACTTTACTTCTTTGTGCCTGCAAATTT
 CAAGACACCTTCACTAAACATCTTCAAGACTTCAAGACTTCAAGCAAGCAGGTTCAAGTTCTTTT
 TCAAAGACTCATCAGAATAACATGGAT

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223977 representing NM_001146690
 Red=Cloning site Green=Tags(s)

MAAGAGARPAPRWVKALGEPLSAAQLRRLEEHRYSYAVGESLFEPPLQLYWTWLLQWIPLWMPNTITLIG
 LAINLVTTLLVIFYCPTVTEEPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLSLST
 VFMAIGASIAVRLGTHPDWLFVCSFVGMFMFYCAHWQTYVSGVLRFRGRVDVTEIQVALVIVFMLSTFGGA
 TMWDYTIPILEIKLKIVPVLGVVGLIFSCSNYFHVILHGGVGNKSTIAGTSVLSPLHIGLIIILAIM
 IYKKSATNMFEKHPCLYTLMFGCVFAKVAQKLVIAHMTKSELYLQDTVFIPGLLFLDQYFNNFIDEYVY
 LWIAMVISSFDMMIYFTSLCLQISRHLHLNIFKTSQQAPEQVQVLSKTHQNNMD

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_001146690

ORF Size: 1218 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_001146690.1](#), [NP_001140162.1](#)

RefSeq Size: 1466 bp

RefSeq ORF: 1221 bp

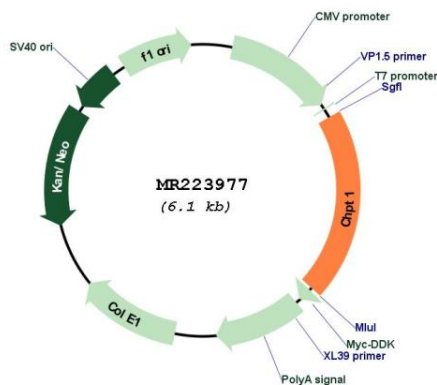
Locus ID: 212862

Cytogenetics: 10 C1

MW: 45.9 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 MR223977