

## Product datasheet for MR223567

### Chpt1 (NM\_144807) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Chpt1 (NM\_144807) 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:** >MR223567 representing NM\_144807  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCGGGCGCCGGGGCCAGGCCGGCGCCGCTGGGTAAAGGCGCTAGGTGAGCCGCTCAGTGCCG  
 CGCAGCTGCGCGGCTGGAGGAGCACCGCTACACCGGGTGGGAGAGTCGCTGTTTCGAGCCGCCGCTGCA  
 GCTTTACTGGACCTGGCTGCTCCAATGGATCCCCTCTGGATGGCCCCAACACCATCACCTCATCGGC  
 CTCGCCATCAACCTGGTCAACACTAGTGCTCATCTTCTACTGCCCTACAGTCACGAGGAGGCCACCAT  
 ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAGTCACTGGATGCCATTGATGGGAAACA  
 AGCCAGAAGGACAACTCTTGTCTCCCTTAGGGGAACTATTTGATCATGGTTGTGACTCTTTCCACA  
 GTATTTATGGCCATCGGCGCTTCCATTGCTGTTTCGCTAGGAACACATCCTGACTGGTTGTTTTCTGCT  
 CTTTCGTTGGGATGTTTACTGTGCTCATTGGCAGACTTACGCTCAGGAGTGTTAAGATTTGG  
 AAGGGTGGATGCTCACTGAGATCCAGGTAGCTTTAGTGATCGTCTTCATGTTGTCAACATTTGGAGGAGCA  
 ACAATGTGGGACTATACGATACCTATTCTAGAAATAAACTGAAGATTGTTCCGGTCTTTGGAGTTGAG  
 GTGGATTAATATTTCTGTTCAAATATTTCCATGTGATCCTCCATGGTGGTGTGGCAAGAATGGGTC  
 TACTATTGCAGGCACCACTGTCTTGTCACTGGACTCCACATAGGATTAATTATATTTGGCAATAATG  
 ATCTATAAGAAGTCTGCAACAAATGTTTGAACAACTCCTTGCCTTTACTTTAATGTTGGATGTG  
 TCTTTGCTAAAGTTGCACAAAATTTGGTATAGCTCACATGACGAAAAGTGAACATATCTTCAAGACAC  
 TGCTTTTATTGGGCCAGGTCTTTTATTTTAGACCAATACTTTAATAATTTTATAGATGAATATGTTGTT  
 CTGTGGATAGCAATGGTCATTTCTCATTTGATATGATGATATACTTTACTTCTTTGTGCCTGCAAAATTT  
 CAAGACACCTTCTAAACATCTTCAAGACTTCAAGACTTCAAGCAAGCACCGGAACAGGTTTACAAGCATAT  
 TGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR223567 representing NM\_144807  
Red=Cloning site Green=Tags(s)

MAAGAGARPAPRWVKALGEPLSAAQLRRLEEHRYSVAVGESLFEPPLQLYWTWLLQWIPLWMPNTITLIG  
 LAINLVTTLLVIFYCPTVTEEPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLST  
 VFMAIGASIAVRLGTHPDWLFVCSFVGMFMFYCAHWQTYVSGVLRFRGRVDVTEIQVALVIVFMLSTFGGA  
 TMWDYTIPILEIKLKIVPVLGVVGLIFSCSNYFHVILHGGVKGNGSTIAGTSVLSPLHIGLIIILAIM  
 IYKKSATNMFEKHPCLYTLMFVCVFAKVAQKLVIAHMTKSELYLQDVFVIGPGLFLDQYFNNFIDEYVV  
 LWIAMVISSFDMMIYFTSLCLQISRHLHLNIFKTSQQAPEQVYKHID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1807\\_c10.zip](https://cdn.origene.com/chromatograms/ja1807_c10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_144807

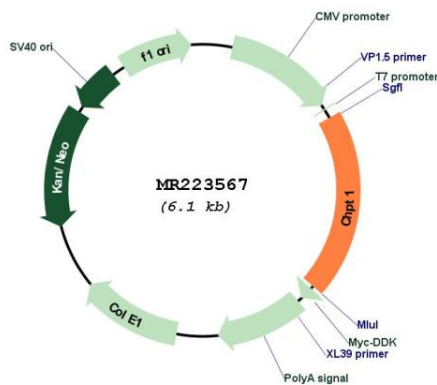
**ORF Size:** 1194 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_144807.3, NP_659056.3</u>   |
| <b>RefSeq Size:</b>           | 3239 bp   |
| <b>RefSeq ORF:</b>            | 1197 bp   |
| <b>Locus ID:</b>              | 212862  |
| <b>UniProt ID:</b>            | <u>Q8C025</u>   |
| <b>Cytogenetics:</b>          | 10 C1   |
| <b>MW:</b>                    | 45.1 kDa  |
| <b>Gene Summary:</b>          | 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 MR223567