

Product datasheet for **MG223567**

Chpt1 (NM_144807) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chpt1 (NM_144807) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chpt1
Synonyms:	MGC28885
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223567 representing NM_144807 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGGCGCCGGGGCCAGGCCGGCGCCGCTGGGTAAAGGCGCTAGGTGAGCCGCTCAGTGCCG
CGCAGCTCGGGCGGCTGGAGGAGCACCGCTACACCGCGGTGGGAGAGTCGCTGTTGAGCCGCCGCTGCA
GCTTTACTGGACCTGGCTGCTCCAATGGATCCCCTCTGGATGGCCCCAACACCATCACCTCATCGGC
CTCGCCATCAACCTGGTACCACACTAGTGCTCATCTTCTACTGCCCTACAGTCACGGAGGAGGCACCAT
ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAGTCACTGGATGCCATTGATGGGAAACA
AGCCAGAAGGACAACTCTTGCTCTCCCTTAGGGGAACTATTTGATCATGGTTGTGACTCTTTCCACA
GTATTTATGGCCATCGGCGCTTCCATTGCTGTTGCGCTAGGAACACATCCTGACTGGTTGTTTTCTGCT
CTTTGCTGGGATGTTTACTGTGCTCATTGGCAGACTTACGTCCTCAGGAGTGTTAAGATTTGG
AAGGGTGGATGCTACTGAGATCCAGGTAGCTTTAGTGATCGTCTTCATGTTGTCAACATTTGGAGGAGCA
ACAATGTGGGACTATACGATACCTATTCTAGAAATAAACTGAAGATTGTTCCGGTCTTTGGAGTTGTAG
GTGGATTAATATTTCTGTTCAAATATTTCCATGTGATCCTCCATGGTGGTGTGGCAAGAATGGGTC
TACTATTGCAGGCACCAGTGTCTTGTACCTGGACTCCACATAGGATTAATTATATTTGGCAATAATG
ATCTATAAGAAGTCTGCAACAAATGTTTAAAAACATCCTTGCCTTTACTTTAATGTTGGATGTG
TCTTTGCTAAAGTTGCACAAAATTTGGTATAGCTCACATGACGAAAAGTGAACATATCTTCAAGACAC
TGCTTTATTGGGCCAGGTCTTTTATTTTAGACCAATACTTTAATAATTTATAGATGAATATGTTGTT
CTGTGGATAGCAATGGTCATTTCTCATTTGATATGATGATATACTTTACTTCTTTGTCCTGCAAAATTT
CAAGACACCTTCTAAACATCTTCAAGACTTCAAGACTTCAAGCAAGCACCGGAACAGGTTTACAAGCATAT
TGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG223567 representing NM_144807
 Red=Cloning site Green=Tags(s)

MAAGAGARPAPRWVKALGEPLSAAQLRRLEEHRYSVAVGESLFEPPLQLYWTWLLQWIPLWMPNTITLIG
 LAINLVTTLLVIFCYPTVTEEPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLSLST
 VFMAIGASIAVRLGTHPDWLFCSFVGMFMFYCAHWQTYVSGVLRFRGRVDVTEIQVALVIVFMLSTFGGA
 TMWDYTIPILEIKLKIVPVLGVVGLIFSCSNYFHVILHGGVGVKNGSTIAGTSVLSPLGLHIGLIIILAIM
 IYKKSATNMFEKHPCLYTLMFGCVFAKVAQKLVIAHMTKSELYLQDQVFVIGPGLLFLDQYFNNFIDEYVY
 LWIAMVISSFMMIYFTSLCLQISRHLHLNIFKTSQQAPEQVYKHID

TRTRPLE - GFP Tag - V

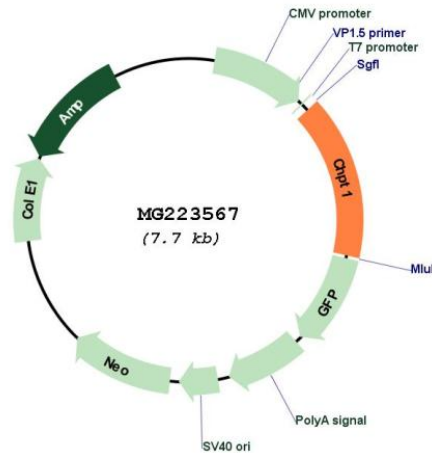
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_144807

ORF Size:	1194 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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:	NM_144807.3 , NP_659056.3
RefSeq Size:	3239 bp
RefSeq ORF:	1197 bp
Locus ID:	212862
UniProt ID:	Q8C025
Cytogenetics:	10 C1
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]