

Product datasheet for **MG202889**

Chpt1 (BC031435) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chpt1 (BC031435) 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: >MG202889 representing BC031435
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGGCGCCGGGGCCAGGCCGGCGCCGCTGGGTAAGGCGCTAGGTGAGCCGCTCAGTGCCG
CGCAGCTGCGGGGCTGGAGGAGCACCGCTACACCGGGTGGGAGAGTCGCTGTTTCGAGCCGCCGCTGCA
GCTTTACTGGACCTGGCTGCTCCAATGGATCCCGCTCTGGATGGCCCCAACACCATCACCTCATCGGC
CTCGCCATCAACCTGGTCAACACTAGTGCTCATCTTCTACTGCCCTACAGTCACGAGGAGGCCACCAT
ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAGTCACTGGATGCCATTGATGGGAAACA
AGCCAGAAGGACAACTCTTGTCTCCCTTAGGGGAACTATTTGATCATGGTTGTGACTCTTTCCACA
GTATTTATGGCCATCGGCGCTTCCATTGCTGTTTCGCTAGGAACACATCCTGACTGGTTGTTTTCTGCT
CTTTCTGTTGGGATGTTTACTGTTTACTGTGCTCATTGGCAGACTTACGTCTCAGGAGTGTAAAGATTTGG
AAGTCAAGAAGTTTTCTCCGGGCTGGTGGAGATGGCTCAGTGGGTAAGAGCACCCGACTGCTCTTCTGAA
GGTCCAGAGTTCAAATCCCAGCAACCACATGGTGGATCACAACCATCTGTAACAAGATCTGACGCCCTCT
TCTGGAGTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202889 representing BC031435
Red=Cloning site Green=Tags(s)

MAAGAGARPAPRWVKALGEPLSAAQLRRLEEHRYSVAVGESLFEPPLQLYWTWLLQWIPLWMPNTITLIG
 LAINLVTTLVLFYCPVTVEEAPYWTYLLCALGLFIYQSLDAIDGKQARRTNSCSPLGELFDHGCDLSLST
 VFMAIGASIAVRLGTHPDWLFCSFVGMFMFYCAHWQTYVSGVLRFGSQEVFFRAGEMAQWVRAPDCSSE
 GPEFKSQPHGGSQPSVTRSDALFWSV

TRTRPLE - GFP Tag - V

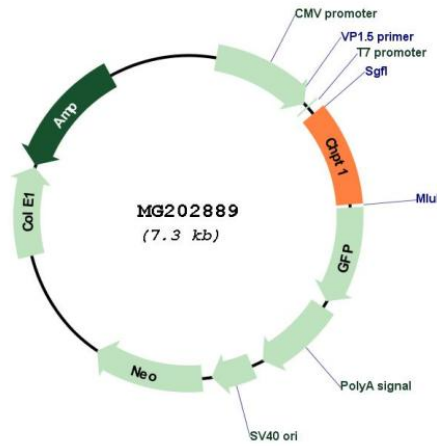
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC031435

ORF Size: 713 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:	<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:	BC031435 , AAH31435
RefSeq Size:	843 bp
RefSeq ORF:	713 bp
Locus ID:	212862
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]