

Product datasheet for MC212576

Chpt1 (NM_144807) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Chpt1 (NM_144807) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Chpt1
 Synonyms: MGC28885
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC212576 representing NM_144807
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCGGGCGGGCCGGGGCCAGGCCGGCGCCGCTGGGTAAGGCGCTAGGTGAGCCGCTCAGTGCCG
 CGCAGCTGCGGGCGCTGGAGGAGCACCGCTACACCGGGTGGGAGAGTCGCTGTTGAGCCGCCGCTGCA
 GCTTTACTGGACCTGGCTGCTCCAATGGATCCCGCTCTGGATGGCCCCAACACCATCACCTCATCGGC
 CTCGCCATCAACCTGGTCACCACACTAGTGCTCATCTTCTACTGCCCTACAGTCACGGAGGAGGCACCAT
 ACTGGACATACCTTTTATGTGCCCTGGGACTCTTTATCTACCAAGTCACTGGATGCCATTGATGGGAAACA
 AGCCAGAAGGACAAACTCTTGCTCTCCCTTAGGGGAATATTTGATCATGGTTGTGACTCTCTTTCCACA
 GTATTTATGGCCATCGGCGCTTCCATTGCTGTTTCGCCTAGGAACACATCCTGACTGGTTGTTTTCTGCT
 CTTTCGTTGGGATGTTTCATGTTTACTGTGCTCATTGGCAGACTTACGCTCAGGAGTGTAAAGATTTGG
 AAGGGTGGATGTCAGTCCAGGTAGCTTTAGTGATCGTCTTCATGTTGTCAACATTTGGAGGAGCA
 ACAATGTGGGACTATACGATACCTATTCTAGAAAATAAACTGAAGATTGTTCCGGTCTTTGGAGTTGTAG
 GTGGATTAATATTTTCTGTTCAAATATTTCCATGTGATCCTCCATGGTGGTGTGGCAAGAATGGGTC
 TACTATTGCAGGCACCAAGTGTCTTGTACCTGGACTCCACATAGGATTAATTATTATATTGGCAATAATG
 ATCTATAAGAAGTCTGCAACAAATATGTTTGAAAAACATCCTTGCTTTATACTTTAATGTTTGGATGTG
 TCTTTGCTAAAGTTGCACAAAAATTGGTATAGCTCACATGACGAAAAGTGAATATATCTTCAAGACAC
 TGTCTTTATTGGCCAGGTCTTTTATTTTAGACCAATACTTTAATAATTTTATAGATGAATATGTTGTT
 CTGTGGATAGCAATGGTCATTTCTTCAATTTGATATGATGATATACTTTACTTCTTTGTGCTGCAAAAT
 CAAGACACCTTCATCTAAACATCTTCAAGACTTCATGTCAACAAGCACCGGAACAGGTTTACAAGCATAT
 TGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites: Sgfl-Mlul

ACCN: NM_144807

Insert Size: 1197 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 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](#)

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_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]

Transcript Variant: This variant (2) contains a different segment for its 3' coding region and 3' UTR versus variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus when it is compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.