

Product datasheet for MC203474

Mtpn (NM_008098) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtpn (NM_008098) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mtpn
Synonyms: 5033418D15Rik; Gcdp; V1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC054811
GCTTCTCCTCAGCTAGGCGGAACCTGCTCTGCTGGGCCAACGGCTGCAGAAGAAGCTTTCTCCCGCCGA
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ATAAAATGAATTAACATACAACCTTAAATTTGATGGCCTACACTTTAAGTATTAAGATGTCTTTTGGCT
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TATAGATAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_008098
- Insert Size:** 357 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC054811](#), [AAH54811](#)

RefSeq Size: 3745 bp

RefSeq ORF: 357 bp

Locus ID: 14489

UniProt ID: [P62774](#)

Cytogenetics: 6 B1

Gene Summary: Promotes dimerization of NF-kappa-B subunits and regulates NF-kappa-B transcription factor activity. Promotes growth of cardiomyocytes, but not cardiomyocyte proliferation. Promotes cardiac muscle hypertrophy (By similarity). Plays a role in the regulation of the growth of actin filaments. Inhibits the activity of the F-actin-capping protein complex formed by the CAPZA1 and CAPZB heterodimer.[UniProtKB/Swiss-Prot Function]