

## Product datasheet for **RN207961**

### Mcpt1 (NM\_017145) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids

**Tag:** Tag Free

**Symbol:** Mcpt1

**Synonyms:** Vch

**Mammalian Cell Selection:** Neomycin

**Vector:** pCMV6-Entry (PS100001)

**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >RN207961 representing NM\_017145  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGGCCCTACTATTCTGATGGCTCTTCTCTTGCCTTCTGGAGCTGGAGCTGAGGAGATTATTGGTG  
GTGTGGAGTCTATTCACACTCCCGCCCTTACATGGCCCATCTGGACATCATCACTGAGAGAGGTTTAA  
GGACAGCTGTGGTGGGTTTCTCATAACCCGCCAATTTGTGCTGACTGCTGCACACTGCAGAGGAAGAGAA  
ATCACAGTCACCCTTGGAGCCCATGACGTGAGCAAGCGAGAATACACACAGCAGAAGATAAAAGTAGAAA  
AACAAATTCATTCAAAAAATTACAACCTTCCCAATCTTCATGACATCATGTTACTGAAGCTTGAAAA  
ACAAGTTGAGTTGACTCCTGCTGTGGATGTAGTTCCCTGCCTAGTCTTCTGACTTTATTCACCCCTGGG  
ACATTGTGTTGACTGCTGGATGGGGGCGAACTGGAGTGAAAGATCCTACCTCAGATACACTGAGAGAGG  
TTGCACTGAGAATCATGGATGAAGAGGCCTGTAAATCTATAGACATTATGACAACAACCTCCAGGTCGT  
CGTGGGCCCTTCCACAAGGTTACAAACAGCATACACTGGAGACTCTGGTGGGCCGCTACTGTGTGCTGGT  
GTGGTCCATGGTATTGTATCTTATGGGCATCCAGATGCAACGCCCCCTGCAGTCTTACCCGAATCGCCC  
CCTATGTGCCCTGGATTAATACAGTCTTAAGGGAAGTAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017145

**Insert Size:** 744 bp



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| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_017145.2</u> , <u>NP_058841.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 952 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq ORF:</b>            | 744 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 29265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 15p12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Summary:</b>          | may be identical to a vascular smooth muscle cell chymase that displays increased expression in hypertensive rats [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                       |