

Product datasheet for **RN201959**

Mcpt4 (NM_019321) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcpt4 (NM_019321) Rat Untagged Clone
Tag: Tag Free
Symbol: Mcpt4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN201959 representing NM_019321
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGCCCTGCTATTCCTGATGGCTCTTCTCTTGCCTTCTGGAGCTGGAGCTGAGGAGATTATCGGTG
 GTGTGGAGTCTATTCCTCACTCCCGCCCTTACATGGCCCTTCTGAAGATCGTCACTGAAGAAGGTCATGT
 GACCTTCTGTGGTGGGTTTCTCATAAGCCTTCAATTTGTGCTGACTGCTGCACACTGTCATGGAAGGGAA
 ATCACTGTCACCCTCGGAGCTCATGACATGAGCAAGAGAGAATCCACACAACAAAAGATAAAAGTTGTAA
 AACAAATCTTTCCTCTAAAGTACAATTTATTTTCCAATTTCCGTGACATCATGTTACTGAAGCTTGAACA
 GAAAGCAGTGTTGACTCCGTCTGTGAATGTAATCCCCCTGCCTCAGTCCTCTGACATTATCAAGCCTGGG
 ACAATGTGCTTGGCAGCTGGATGGGGACAACTGGAGTGAAAGAACCCTCAATACACTGAGGGAGG
 TCATGCTGAGAATCATGGAAATGAAGGCCTGTAAGGACTATAGGCATTATGACAATAGATTCCAGATCTG
 CGTGGGGATTCTCAAATGTTGAAATTAGCATACAAGGGAGACTCTGGAGGACCTCTAGTGTGTCTGGA
 GTGGCCCATGGTATTGTATCTCATGGCCCTGGAAGAGGAATCCCCCTATAATCTTCACCCGAATCTCT
 CATATGTGCTCTGGATTAATAGAGTCATAAGGGGAAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019321
Insert Size: 741 bp


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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:	<u>NM_019321.2</u> , <u>NP_062194.1</u>
RefSeq Size:	943 bp
RefSeq ORF:	741 bp
Locus ID:	54270
UniProt ID:	<u>P97592</u>
Cytogenetics:	15p13
Gene Summary:	mast cell protease that acts as a beta-chymase; has a strong preference for bulky/aromatic amino acid residues in both the P1 and P2 positions [RGD, Feb 2006]