

Product datasheet for MC208312

Cpa3 (NM_007753) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpa3 (NM_007753) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpa3
Synonyms:	MC-C; MC-CPA; mMC-C
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208312 representing NM_007753 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGTTCTTCTTGCTTATGGCTGTCATCTACACTACACTTGAATTGCTCCTGTCCACTTTGACAGGG
AGAAGGTATTCCGTGTGAACTCCAGAATGAAAAGCACGCCAGTGTCTTGAAGAATTGACCCAAAGCAT
TGAGCTCGACTTCTGGTATCCAGATGCTATCCATGATATTGCTGTGAATATGACTGTGGATTTCCGAGTT
AGTGAGAAGGAATCTCAGACCATCCAGTCAACCTTGAACAACATAAAATCCATTATGAAATTCTGATAC
ATGACCTACAAGAAGAGATAGAGAAACAGTTTGTATGTGAAAGATGAAATCGCAGGCAGGCACAGTTATGC
AAAATACAATGACTGGGACAAGATTGTTTCTTGGACTGAAAAATGTTAGAAAAACATCCTGAGATGGTT
TCAAGGATTAATTTGGTCAACTGTTGAAGATAATCCATTATATGTCCTCAAGATTGGGAAAAAAGATG
GAGAAAGAAAGGCTATCTTTATGGACTGTGGCATTATGCACGTGAATGGATTTCTCCAGCTTTCTGTCA
GTGGTTTGTCTATCAGGCAACCAAGAGTTATGGAAAAATAAAATCATGACCAAACCTCTTGGACCGGATG
AATTTTACGTTCTGCCTGTATTCAATGTAGACGGATACATTTGGTCATGGACACAGGATCGAATGTGGA
GAAAAACCGTTCCAGGAACCAAACCTCCACTGCATTGGCACTGACCTCAACAGGAACCTTGTATGTCCTC
GTGGGACTCTTCTCCAAACACCAACAAACCATGCCTCAATGTCTACAGGGGACCTGCACCAGAGTCTGAG
AAAGAGACAAAAGCTGTACCAACTTCATTGAAAGCCATCTGAACTCAATCAAGGCTTATATCACTTTCC
ATTCTACTCGCAGATGCTATTAATTCCTTATGGCTACACATTCAAACCTGCCTCCTAACCACCAGGACCT
ATTGAAAGTTGCAAGGATTGCCACGGATGCTCTCTCAACTAGATATGAAACCCGTTACATCTACGGCCCA
ATAGCATCCACAATTTACAAGACTTCAGGCTCTTCTTAGACTGGGTTTATGACCTGGGCATCAAACACA
CATTTGCCTTTGAGCTTCGTGATAAAGGAAAGTCTGGGTTTCTTCTTCCAGAATCCGGATAAAGCCAAC
ATGTAAGAAACCATGCTTTCTGTCAAATTTATTGCCAAGTATATCCTCAAGAATACTTCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007753
Insert Size:	1254 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:	<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:	<u>NM_007753.2</u> , <u>NP_031779.1</u>
RefSeq Size:	1458 bp
RefSeq ORF:	1254 bp
Locus ID:	12873
UniProt ID:	<u>P15089</u>
Cytogenetics:	3 6.25 cM
Gene Summary:	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases and preproprotein that is proteolytically processed to generate a mature protein product. This product is released by mast cells and may be involved in the degradation of endogenous proteins and the inactivation of venom-associated peptides. Homozygous knockout mice for this gene exhibit impaired mast cell development. [provided by RefSeq, Aug 2015]