

## Product datasheet for MC215736

### Cpa5 (NM\_144537) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cpa5 (NM_144537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpa5
Synonyms:	4930430M09Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215736 representing NM_144537 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGGGCACCCAAAGAGGAGGACTAGTCCCTGGGCTGTCCCCTCTGGACAGACGGACACTTCTGTTCT  
GCAACTTTATCTTGGCTGTAGCTTGGGGCCAAGTGAATTCACAGGAGACCAGGTTCTTCGAGTCTGGC  
CAAAAATGAGAAGCAGCTGTCACCTCTCAGGGATCTGGAGACCCAGAAGCCCAAGGTGGACTTCTGG  
CGTGGCCAGCCAGACCTAGCCTCCCTGTGGACATGAGAGTTCCTTCTCTGAACTGCCAGTGTAAAG  
CTTATTTGAAGTCTCATGGCCTTGCCTACAGCATCATGATAAAGGACATCCAGGTGCTACTGGATGAAGA  
GAGAGACGCCATGGCAAAGTCTCGCAGGCTGGAACGCAGTACCAACAGCTTACGCTATTCCTCTTATCAC  
ACCCTGGACGAGATATAGTTGGATCGACAACCTTGTAGCTGAACATTCTAATCTTGTCTCCAAAATTC  
ACATTGGCAAGAGCTTTGAAAACCGTCCATTCTTGTCTGAAGTTCAGCACTGGAGGTCCAAATCGCCC  
GGCTATCTGGATTGCACTGGGATTCATCCAGAGAGTGGATCACCCATGCCACCGGCATCTGGATCTCG  
CAGAAGATTGCAATGCATACGGCAAAGACCATGTCTTGAAGAGGATATTGAACACTATGGACATTTTCA  
TAGAGATTGTACTAACCCTGATGGCTTTGCTTTTACTCATAGCATGAACCGCTTATGGCGAAAAACAA  
GTCAAGTCAACCCGGCATCTTCTGCATTGGCTGGACCTCAACAGGAACCTGGAAGGCAGGCTTCGGAGGA  
AATGGTTCTAACAAAAACCCCTGCTCAGAGACTTACCGAGGGCCTGCACCTGAGTCAGAGCCAGAGGTAG  
CTGCAATTGTGGACTTCACTGGCCATGGAACTTCAAAGCTATGATCTCCATCCACAGCTACTCTCA  
GATGGTCATGTATCCTTATGGCCATTCTCTGGAGCCTGTACCTAACACGAAGAGCTGTTCAATCTTGCC  
AAGGATGCAGTAAAGGCTCTCAACAAGTTTACGGGATCCAGTACATTTTGGCAGCATCAGCACCACC  
TCTATTACGCCAGTGGGATCTCGGTGGACTGGGCTTATGACAGCGGCATCAAGTATGCCTTCAGCTTCGA  
GCTCCGGGACACTGGACAATATGGCTTCTGCTGCCAGCCTCACAGATTGTCCACAGCCGAGGAGACA  
TGGATGGCATTACAGACCATCATGAAACACACCCTGAATCACCCCTATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_144537
<b>Insert Size:</b>	1311 bp
<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>RefSeq:</b>	<u><a href="#">NM_144537.4</a></u> , <u><a href="#">NP_653120.1</a></u>
<b>RefSeq Size:</b>	2187 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	74649
<b>UniProt ID:</b>	<u><a href="#">Q8R4H4</a></u>
<b>Cytogenetics:</b>	6 A3.3
<b>Gene Summary:</b>	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. The encoded preproprotein undergoes proteolytic processing that removes the N-terminal activation peptide to generate a functional enzyme. This gene is expressed in mouse testes where the encoded protein is localized to the germ cells. This gene is located in a cluster of carboxypeptidase genes on chromosome 6. [provided by RefSeq, Jul 2016]