

Product datasheet for **MG213352**

Cpa5 (NM_144537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpa5 (NM_144537) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpa5
Synonyms:	4930430M09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213352 representing NM_144537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGGGCACCCAAAGAGGAGGACTAGTCCCTGGGCTGTCCCCTCTGGACAGACGGACACTTCTGTTCT
GCAACTTTATCTTGGCTGTAGCTTGGGGCCAAGTGAATTCACAGGAGACCAGGTTCTTCGAGTCTGGC
CAAAAATGAGAAGCAGCTGTCACCTCTCAGGGATCTGGAGACCCAGAAGCCCCAGAAGGTGGACTTCTGG
CGTGGCCAGCCAGACCTAGCCTCCCTGTGGACATGAGAGTTCCTTCTCTGAAGTCCAGTGTAAAG
CTTATTTGAAGTCTCATGGCCTTGCTACAGCATCATGATAAAGGACATCCAGGTGCTACTGGATGAAGA
GAGAGACGCCATGGCAAAGTCTCGCAGGCTGGAACGCAGTACCAACAGCTTCAGCTATTCCTCTTATCAC
ACCCTGGACGAGATATATAGTTGGATCGACAACCTTGTAGCTGAACATTCTAATCTTGTCTCCAAAATTC
ACATTGGCAAGAGCTTTGAAAACCGGTCCATTCTTGTCTGAAGTTCAGCACTGGAGGTCCAAATCGCCC
GGCTATCTGGATTGCACTGGGATTCATCCAGAGAGTGGATCACCCATGCCACCGGCATCTGGATCTCG
CAGAAGATTGCAATGCATACGGCAAAGACCATGTCTTGAAGAGGATATTGAACACTATGGACATTTTCA
TAGAGATTGCTACTAACCCCGATGGCTTTGCTTTTACTCATAGCATGAACCGCTTATGGCGAAAAACAA
GTCAAGTCAACCCGGCATCTTCTGCATTGGCGTGGACCTCAACAGGAACCTGGAAGGCAGGCTTCGGAGGA
AATGGTTCTAACAAAACCCCTGCTCAGAGACTTACCGAGGCTGCACCTGAGTCAGAGCCAGAGGTAG
CTGCAATTGTGGACTTCACTAGGCTGCGCACTGGAACTTCAAAGCTATGATCTCCATCCACAGCTACTCTCA
GATGGTCAATGATCCTTATGGCCATTCTCTGGAGCCTGTACCTAACACGAAGAGCTGTTCAATCTTGCC
AAGGATGCAGTAAAGGCTCTCAACAAGTTTACCGGATCCAGTACATTTTGGCAGCATCAGCACCACC
TCTATTACGCCAGTGGGATCTCGGTGGACTGGGCTTATGACAGCGGCATCAAGTATGCCTTCAGCTTCGA
GCTCCGGGACACTGGACAATATGGCTTCTGCTGCCAGCCTCACAGATTGTCCACAGCCGAGGAGACA
TGGATGGCATTACAGACCATCATGAAACACACCCTGAATCACCCCTAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG213352 representing NM_144537
 Red=Cloning site Green=Tags(s)

MQGTQRGGLVPGLSPLDRRTLLFCNFILAVAWQVNFITGDQVLRVLAKNEKQLSLLRDLETQKPQKVDFW
 RGPARPSLPVDMRVPFSELPVKAYLKSHGLAYSIMIKDIQVLLDEERDAMAKSRRLERSTNSFSYSSYH
 TLDEIYSWIDNFVAEHSNLVSKIHIKGSFENRSLVLFKFTGGPNRPAIWIDTGIHSREWITHTATGIWIS
 QKIVNAYGKDHVLRILNTMDIFIEIVTNPDGFAFTHSMNRLWRKNKSSQPGIFCIGVDLNRNWKAGFGG
 NGSNKNPCSETYRGPAPSEPEVAIIVDFITGHGNFKAMISIHYSYQMVMPYGHSLPEVPNHEELFNLA
 KDAVKALNKVHGIQYIFGSIISTLYSASGISVDWAYDSGIKYAFSELRDTGQYGFLLPASQIVPTAEET
 WMALQTIMKHTLNHPY

TRTRPLE - GFP Tag - V

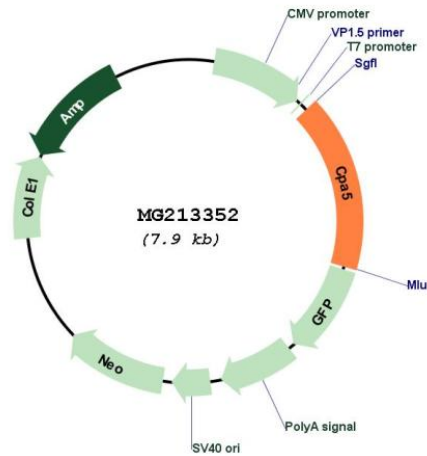
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_144537

ORF Size:	1308 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_144537.4 , NP_653120.1
RefSeq Size:	1963 bp
RefSeq ORF:	1311 bp
Locus ID:	74649
UniProt ID:	Q8R4H4
Cytogenetics:	6 A3.3
Gene Summary:	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]