OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG206686

Cpa4 (NM_027926) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpa4 (NM_027926) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpa4
Synonyms:	1110019K20Rik; AV009555
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG206686 representing NM_027926
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTGGCTACTGTTCTTTGGGGCCCTGATTGGGGCAGGCATCTGCGGCCGAGATAAATTCTTTGGGG
ACCAAGTTTTTAGGATTAATGTCAGAAATGGAGACGAGATCAGAAAACTGACTGAGCTAGTGAATTCTGA
CCACTTAAAGCTCAGTGTCTGGAAATCTCCCTCCACTTTTGATCGGCCCGTGGATATTCTCGTCCCTTCT
GTCAGCTTGCTCCCAGTCAAGTCCTTCCTGAAGTCCCAGGGTTTAGACTACTCCGTGACAATTGAGGACC
TCCAGGCCCTTTTAGATAACGAAGATGAAGAAATGCAGCACAATGAAGGGATAGAGCGGAGTGGTGACTT
CAACTACGGAGCTTACCATCCCCTGGAGGCTATTTACCACGAGATGGACAGTATTGCCACAGACTTTCCT
GAGCTGGTGAGCAGAGTGAAGATTGGAGAGACATTTGAAAAGCGGCCCATGTATGTTCTAAAGTTCAGCA
CGGGAGGAGGCAAGAAGCGGCCAGCCATTTGGTTGAATGCAGGCATCCATGCCCGTGAGTGGATCTCACA
GGCCACAGCCATCTGGACAGCGAGGAAGATTGTAACTGATTATAAAAAGGACCCGGCTATCACCTCCATC
TTGAAGAAAGTGGATATTTTCTTGTTGCCCGTGGCCAATCCTGATGGATATGTGTACACGCAAAGCCAGA
ACCGATTATGGAGAAAGACGCGGTCCCGGAACCCAGGAAGCCGCTGTGTTGGAGCCGATCCAAACAGAAA
CTGGAATGCTAGTTTTGCAGGAGAGGGGACCAGTGATAACCCTTGCTCTGAAGTGTACCATGGCTCCCAC
CCCAATTCTGAAGTGGAGGTGAAATCGGTGGTGGATTTCATTCAAAAGCATGGGAACTTCAAATGCTTCA
TTGACCTGCATAGCTACTCACAGCTGCTGATGTATCCCTATGGGTACACAGTCAAGAAGGCCCCGGATGC
TGAGGAGCTGGACGATGTGGCGAGGAATGCAGCCCAAGCCCTGGCTTCTCTCTCGGGCACTAAGTACCGA
GTGGGCCCAACTTGCACCACCGTCTATCCAGCTAGTGGGAGCAGCGTTGACTGGGCATACGACAATGGCA
TCAAGTATGCTTTCACATTTGAGCTGAGAGACACTGGGTACTACGGCTTCCTCTTGCCAGCCAGCCAGAT
CATCCCCACCGCGGAGGAGACCTGGCTAGGGCTGAAGACCATCATGGAACATGTTCGGGACCACCTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

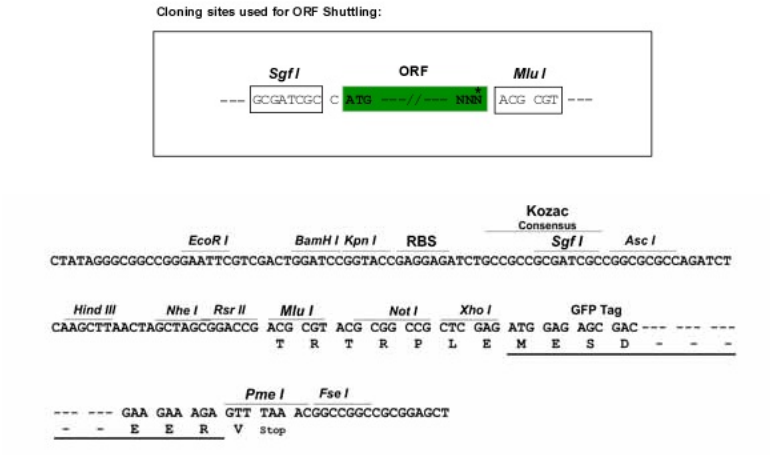
>MG206686 representing NM_027926
Red=Cloning site Green=Tags(s)

MKWLLFFGALIGAGICGRDKFFGDQVFRINVRNGDEIRKLTELVNSDHLKLSVWKSPSTFDRPVDILVPS
VSLLPVKSFLKSQGLDYSVTIEDLQALLDNEDEEMQHNEGIERSGDFNYGAYHPLEAIYHEMDSIATDFP
ELVSRVKIGETFEKRPMYVLKFSTGGGKKRPAIWLNAGIHAREWISQATAIWTARKIVTDYKKDPAITSI
LKKVDIFLLPVANPDGYVYTQSQNRLWRKTRSRNPGSRCVGADPNRNWNASFAGEGTSDNPCSEVYHGSH
PNSEVEVKSVVDFIQKHGNFKCFIDLHSYSQLLMYPYGYTVKKAPDAEELDDVARNAAQALASLSGTKYR
VGPTCTTVYPASGSSVDWAYDNGIKYAFTFELRDTGYYGFLLPASQIIPTAEETWLGLKTIMEHVRDHLY

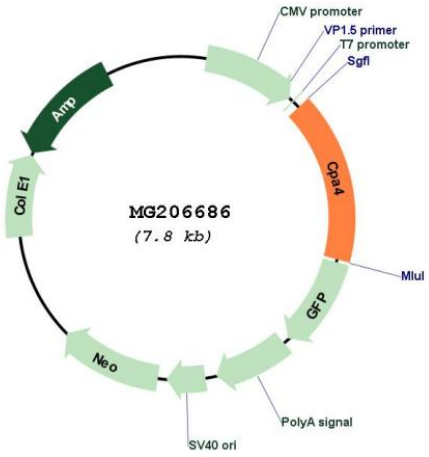
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027926

ORF Size:	1260 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:	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_027926.3
RefSeq Size:	2061 bp
RefSeq ORF:	1263 bp
Locus ID:	71791
UniProt ID:	Q6P8K8
Cytogenetics:	6 A3.3
Gene Summary:	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases that could be involved in the histone hyperacetylation pathway. The encoded preproprotein undergoes proteolytic processing that removes the N-terminal activation peptide to generate a functional enzyme. This gene is located in a cluster of carboxypeptidase genes on chromosome 6. [provided by RefSeq, Jul 2016]