

Product datasheet for **MG207305**

Cpn1 (NM_030703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpn1 (NM_030703) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpn1
Synonyms:	0610011F20Rik; CPN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207305 representing NM_030703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGACCTGCCCTCAGCCTTCTGCCCTCCTCCTCCTCCAAGTTTGTACCCGGTGACCTTTC
 GTACCACCGCTACGACGACCTCGTGCGGACGCTGTACAAGGTGCACAACCAATGCCCGGACATCAGCGG
 GCTCTACAACATCGGGCGCAGTGTGAAGGGGAGGTACCTCTACGTGCTGGAGTTTACGACTACCTGGG
 ATCCATGAACCTTGAACCGGAAGTCAAGTATGTGGAAACATGCACGGGAACGAGGTGCTGGCCCGG
 AGCTGTTCTGCAGCTGTCGGAATTCCTCTGCGAGGAGTCCGGAACCGAAACCAGCGTATCCTGCGCT
 CATTGAGACACGCGCATTACATCCTGCCTTCCATGAACCTGACGGCTACGAGGTGGCTGCTGCCAG
 GGCCAAACATGTCTGGGTATCTGGTTGGTAGGAACAATGCAAAATGGGGTGGACCTGAACCGCAACTTCC
 CGGATCTCAACACCTACTTCTACTACAACCTCAAGAACGGTGGCCCTAACACCACCTGCCCTCCCGA
 CAACTGGAAAAGTCAGGTGGAACAGAGACCCGGGCGGTGATCCAGTGGATTCGCTCCTTGAACCTCGTT
 CTCTCAGCCAATATGCACGGCGGGCTGTGGTGGCCAATTACCCATATGACAAGTCACTTGAAGCATAGGT
 TTCGAGGTCCCATCGCACCTCCAATTCCCCGACACCTGATGACGAGCTCTTCCAGACGCTGGCCAAGGT
 CTACTCTACGCCATGGATGGATGCACCAAGGTTGGAAGTGTGGGGACTACTTCCAGACGGCATCACC
 AACGGGGCGTCTGGTATTCTCTCAGCAAGGGAATGCAAGACTTCAATTATCTCCACACTAACTGCTTTG
 AGATCACGCTCGAGCTGAGTTGCGACAAGTTTCCCGGCAAGAGGAGCTGCAGAGGGAGTGGCTGGGTAA
 CCGGAAGCCTTAATCCAGTCTTGAACAGGTCCACCAGGGCATCAAGGGAATGGTGTGGATGAGAAC
 TCTAACACCTCACGGGGCTGTCAATTCGTCACCGGCATCAACCACGACGTCACTTCAAGTGAACACG
 GGGATTATTTCCGGCTGCTGCTGCTCCCGGTACTTACTCTGCTACTGCCAAGGCACAGGGTACGACCC
 CAAAACAGTGACTGTGACGGTGGGGCTGCGGGACCAACAGTGGTTGACTTCCAACCTCAAGCGAAGCTCA
 TCTCAGGTGTACCCTGTGCAGAGAGCTCCCGGCCGAGGGCAGGGAGGCAAGCAGCCCGGACAT
 CCAGAAAGAAAGACCCAGCAACGAAACGGCATAGGGGTCTGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207305 representing NM_030703
 Red=Cloning site Green=Tags(s)

MPDLPSAFLPLLLL SKFVTPVTFRRHRYDDLVRTLYKVVHNQCPDITRLYNIGRSVKGRYLYVLEFSDYPG
 IHEPLEPEVKYVGNMHGNEVLGRELLQLSEFLCEEFRNRNQRILRLIQDTRIHILPSMNPDGYEVAQAQ
 GPNMSGYLVGRNNANGVDLNRNFPDLNTYFYNSKNGGPNHHLPLPDNWKSOVEPETRAVIQWIRSLNFV
 LSANMHGGAVVANYPYDKSLEHRFRGPHRTSNSPTPDELFTLAKVYSYAHGWMHQGWNCGDYFPDGIT
 NGASWYLSKGMQDFNYLHTNCFEITLLELSCDKFPRQEELQREWLGREALIQFLEQVHQIKGMVLDEN
 SNNLTGAVISVTGINHDVTSGEHGDYFRLLLLPGTYSVTAAPGYDPKTVTVTVGPAGPTVVDFQLKRSS
 SQYYPVQRAPGRGQGRAKQPRTSRKKDPATKRHRGPA

TRTRPLE – GFP Tag – V

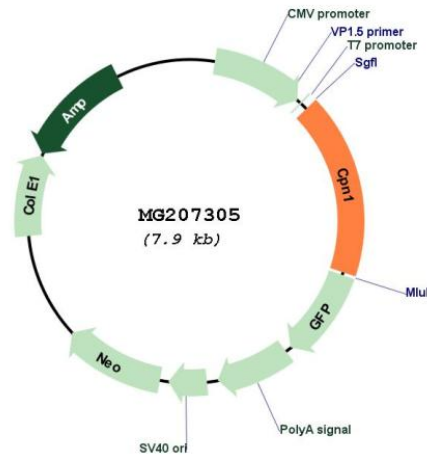
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030703

ORF Size: 1371 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:	<u>NM_030703.1</u> , <u>NP_109628.1</u>
RefSeq Size:	1793 bp
RefSeq ORF:	1374 bp
Locus ID:	93721
UniProt ID:	<u>Q9JJN5</u>
Cytogenetics:	19 36.68 cM
Gene Summary:	Protects the body from potent vasoactive and inflammatory peptides containing C-terminal Arg or Lys (such as kinins or anaphylatoxins) which are released into the circulation. [UniProtKB/Swiss-Prot Function]