

Product datasheet for MR215270

Cpb1 (NM_029706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpb1 (NM_029706) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpb1
Synonyms:	0910001A18Rik; 1810063F02Rik; 2210008M23Rik; AI504870
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215270 representing NM_029706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCTGCTACTGGCCCTGGTGAAGTGTGGCCCTGGCTCATGCTTCTGAGGAGAACTTTGATGGCAACC
GGGTGTTCCGTGTCAGTGTACATGATGAAGATGACGTGAGCTTAATTCAGGAACTAGCCAACACCAAACA
GATTGATTTCTGGAAACCAGATTCTGCTACACAAGTGAACCTCTTACTACAGTTGACTTTCATGTTAAA
GCAGAAGATGTCGTTGATGTGGAGAAGTTCTCGAGGAGAATGAAGTTCTCTATGAGGTATTGATAAGCA
ACGTGAAACATATTCTGGAATCCAGTTTGACAGCCACACCCGTGCAAGTGGACACAGCTACACCAAGTA
CAACAACCTGGGAAACGATAGAGGCATGGATTCAACAAGTTGCCAATGATAATCCAGACCTGTTTCTAAG
AGAGTCATTGGAACACATTTGAAGGACGTAACATGTATGTTCTCAAGATTGGCAAAGATAGACCAATA
AGCCTGCCTTCTTCATCGACTGTGGTTTCCACGCAAGAGAGTGGATTTCTCCTGCATTCTGTGAGTGGT
TGTGAGAGAGGCTGTCCGTACCTATAAACAAGAGATCCACATGAAACGACTTCTTGACGAACTGGACTTT
TATGTTCTGCCTGTGGTCAACATTGACGGCTATGTCTACACATGGGCTAAGGACCGAATGTGGAGAAAA
CCCCTACTACGGCTGGAAGTTCTGCTTTGGTGTAGACCCCAACAGAAATTTGATGCTGGCTGGT
TGAAGTGGGAGCTTCTCGGAGTCCCTGCTGACACTTACTGTGGACCAACTCCAGAGTCAGAAAAAGAG
ACAAAGGCCCTGGCAGATTTTCATCCGCCAGAACCCTCCTCCATCAAGGCCTATCTGACCGTCCACTCCT
ACTCACAGATGATGCTCTATCCTTACTCCTACGACTATAAGCTGCCGAGAAGTATGAGGAGCTGAATGC
CCTGGTAAAAGGTGCAGCAAAGGAGCTTTCCACTCTGCATGGCACCAAGTACACATATGGCCAGGAGCT
ACAACGATCTATCCTGCTGCTGGGGATCTGACGACTGGGCTTATGATCAGGGAATCAAATATTCCTTTA
CCTTTGAACTCCGGGATAAAGGCTTCTTTGGCTTCTGCTTCTGAGTCTCAGATCCGCCAAACCTGTGA
GGAGACAATGCTTGCAGTCAAGTACATTGCCAATTATGCTCCTAGAGCATCCATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215270 representing NM_029706
Red=Cloning site Green=Tags(s)

MLLLLALVSVALAHASEENFDGNRVFRVSVHDEDDVSLIQELANTKQIDFWKPDSATQVKPLTTVDFHVK
 AEDVVDVENFLEENEVL YEVLISNVKHILESQFDSHTRASGHSYTKYNNWETIEAWIQVANDNPDLVSK
 RVIGTTFEGRNMYVLKIGKDRPNKPAFFIDCGFHAREWISPAFCQWFVREAVRTYKQEIHMKRLDELDF
 YVLPVVNIDGYVYTWAKDRMWRKTRSTTAGSSCFGVDPNRNF DAGWCEVGASRSPCSDTYCGPTPESEKE
 TKALADFIRQNLSSIKAYLTVHSYSQMMLYPYSYDYKLPENYEELNALVKGAAKELSTLHGTYTYGPGA
 TTIYPAAGGSDDWAYDQGIKYSFTFELRDKGFFGFLLPESQIRQTCEETMLAVKYIANYVLEHPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9006_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_029706

ORF Size: 1245 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_029706.2, NP_083982.1

RefSeq Size: 1494 bp

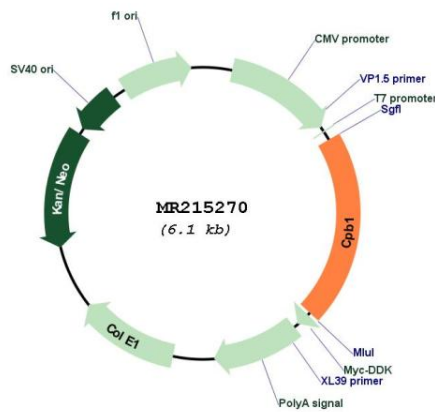
RefSeq ORF: 1248 bp

Locus ID: 76703

Cytogenetics: 3 6.29 cM

MW: 48 kDa

Product images:



Circular map for MR215270