

Product datasheet for **RR204707**

Cpb1 (NM_012533) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpb1 (NM_012533) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpb1
Synonyms:	Cpb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204707 representing NM_012533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCTGCTACTGGCCCTGGTGAAGTGTGGCCTTGGCTCATGCTCCGAGGAGCACTTTGATGGCAACC
GGGTGTACCGTGTCAAGTGTACATGGTGAAGATCACGTCAACTTAATTCAGGAGCTAGCCAACACCAAGA
GATTGATTTCTGAAACAGATTCTGCTACACAAGTGAAGCCTCTCACTACAGTTGACTTTCATGTTAAA
GCAGAAGATGTTGCTGATGTGGAGAATTTCTGGAGGAGAATGAAGTTCATATGAGGACTGATAAGCA
ACGTGAGAAATGCTCTGGAATCCAGTTTGATAGCCACACCCGTGCAAGTGGACACAGCTACACCAAGTA
CAACAAGTGGAAACGATTGAGGCGTGGATTCAACAAGTTGCCACTGATAATCCAGACCTTGTCACTCAG
AGCGTCATTGGAACACATTTGAAGGACGTAACATGATGTCTCAAGATTGGCAAACTAGACCGAATA
AGCCTGCCATCTTCATCGATTGTGGTTCCATGCAAGAGAGTGGATTTCTCCTGCATTCTGTCACTGGTT
TGTGAGAGAGGCTGTCCGTACCTATAATCAAGAGATCCACATGAAACAGCTTCTAGATGAAGTGGATTT
TATGTTCTGCCTGTGGTCAACATTGATGGCTATGTCTACACCTGGACTAAGGACAGAATGTGGAGAAAA
CCCGCTACTATGGCTGGAAGTTCTGCTTGGGTGAAGACCAACAGGAATTTAATGCTGGTGGTG
TGAAGTGGGAGCTTCTCGAGTCCCTGCTGAACTTACTGTGGACCAGCCAGAGTCTGAAAAAGAG
ACAAAGGCCCTGGCAGATTTCCATCCGCAACAACCTCTCCACCATCAAGGCCTACCTGACCATCCACTCAT
ACTCACAGATGATGCTCTACCCTTACTCCTATGACTACAACTGCCTGAGAACTATGAGGAATTGAATGC
CCTGGTAAAGGTGCGGCAAAGGAGCTTCCACTCTGCATGGCACCAAGTACACATATGGCCAGGAGCT
ACAACAATCTATCCTGCTGCTGGGGATCTGACGACTGGTCTTATGATCAGGGAATCAAATATTCATTTA
CCTTTGAACTCCGGGATACAGGCTTCTTTGGCTTCTCCTTCTGAGTCTCAGATCCGCCAGACCTGTGA
GGAGACAATGCTTGACAGTCAAGTACATTGCCAATTATGTCGAGAACATCTATAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204707 representing NM_012533
Red=Cloning site Green=Tags(s)

MLLLLALVSVALAHASEEHFDGNRVYRVSVHGEDHVNLIQELANTKEIDFWKPSATQVKPLTTVDFHVK
 AEDVADVENFLEENEVHYEVLISNVRNALESQFDSHTRASGHSYTKYNKWETIEAWIQQVATDNDPLVTQ
 SVIGTTFFEGRNMYVLKIGKTRPNKPAIFIDCGFHAREWISPAFCQWFVREAVRTYNQEIHMKQLLDELDF
 YVLPVVNIDGYVYTWTKDRMWRKTRSTMAGSSCLGVRPNRNFNAGWCEVGASRSPCSETYCGPAPESEKE
 TKALADFIRNNLSTIKAYLTIHSYSQMMLYPSSYDYKLPENYEELNALVKGAAKELATLHGTYTYGPGA
 TTIYPAAGGSDDWSYDQGIKYSFTFELRDTGFFGFLLPESQIRQTCEETMLAVKYIANVYREHLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

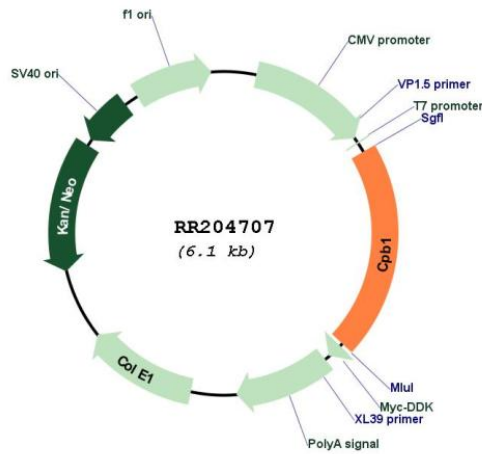
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012533

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:	<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_012533.1 , NP_036665.1
RefSeq Size:	1248 bp
RefSeq ORF:	1248 bp
Locus ID:	24271
Cytogenetics:	2q24
MW:	47.5 kDa
Gene Summary:	putative carboxypeptidase B protein [RGD, Feb 2006]