

Product datasheet for **MR207513**

Cpq (NM_018755) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpq (NM_018755) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpq
Synonyms:	1190003P12Rik; 2610034C17Rik; Hls2; Lal-1; Pgcp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207513 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGTCCTTTTCTTCTGTTTATTGTTACCTTTTAGCCTTGGGCTCTGGTAAAGCTGTATTCAAGA
 ATGGTGTTCCTCAGCAACATTTTCGAGAAATAAAGAAGAAATAGCCAACATGAAGATGTTGCTAAAGC
 AATTATCAACCTTGCTGTTTATGGTAAATACCAGAACCGTCTATGAGCGTTTGGGACTTCTAGTTGAT
 ACTGTTGGACCCAGACTGAGTGGCTCTAAGAACCCTAGAGAAAGCTATTCAAATCATGTACAAAACCTGC
 AGCAAGATGGGCTAGAAAATGTTACCTGGAGCAGGTGAGAATACCCACTGGGAGAGGGGAGAAGAATC
 TGCAGTGTGCTGAGCCTCGAATTCACAAGATGGCTATTCTAGGTCTTGGCAGCAGCATTGGGACTCCC
 CCAGGAGGCATCACAGCAGAAGTCTGGTGGTAGCCTCTTTGATGAACCTCAAAGAAGAGCATCAGAAG
 CAAGAGGGAAGATCATTGTTTATAACCAGCCTTACTGGCTATGAGAAGACTGTGCAGTACCGGTGCA
 GGGAGCTGTGGAAGCTGCCAAGGTGGGAGCTGTGGCATCCCTCATCCAATCAGTAGCTTCTTTTCCATC
 TACAGTCTCACACAGGTATTCAGAAAATCAAGATGGTGTGCCAAGATTCCAACAGCCTGTATCACAG
 TAGAAGATGCAGAAATGATGTCTCGAATGGCTTCTCGTGGGAACAAAATTGTCATTTCATCTGAAATGGG
 AGCAAAGACCTATCCAGATACTGATTCCTTCAATACTGTTGCAGAGATCACTGGGAGCATGTATCCAGAG
 GAAGTTGCTCTGGTCACTGGACATTTGGACAGCTGGGATGTTGGGAGGGTGCAGTGGATGATGGTGGT
 GAGCCTTCATATCATGGGAAGCACTCTCACTTGTAAAGATCTTGGGCTGCGTCCAAAGAGGACTCTGCG
 CCTGGTCTCTGGACTGCAGAAGAACAAGGAGGAATTGGTGCCTCCAGTATTATGAGCTACATAAGGCA
 AATATTTCCAAGTACAGCTTGGTGTGGAAGCTGACTCAGGAACCTTCTACCCACTGGACTGCAGTTCA
 CTGGCAGTGACAAGGCCAGGCTATCATGAAGGAAGTCATGAATCTTCTGCAACCCCTCAATGTACACAA
 GGTCTTTAGTAATGGAGAAGGAAGTATTAACCTTCTGGATCCAAGCTGGAGTACCTGGAGCCAGTCTG
 CGTGATGACTTGTACAAGTATTTCTTTTCCATCATTCCACGGAGACCCATGACTGTGCATGGATCCAA
 AGCAGATGAATGTTGCTGCTGTATGGGCTGTTGTCGCTTATGTTGTTGCAGACATGGATGAAATGCT
 GCCCAGGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207513 protein sequence
 Red=Cloning site Green=Tags(s)

MRSLLFFLIVHLLALGSGKAVFKNGVSRQTFREIKEEIANYEDVAKAIINLAVYGKYQNRSYERLGLLVD
 TVGPRLSGSKNLEKAIQIMYQNLQDGLENVHLEQVRIHPWERGEESAVMLEPRIHKMAILGLGSSIGTP
 PGGITAEVLVVASFDELQRRASEARGKIIVYNQPYTGYEKTVQYRVQGAVEAAKVGAVASLIQSVASFSI
 YSPHTGIQKYQDGVPKIPTACITVEDAEMMSRMSRGNKIVIHLEMGAKTYPDTDSFNTVAEITGSMYPE
 EVVLVSGHLDSWDVQGALDDGGGAFISWEALSLVKDLGLRPKRTLRLVLWTAEEQGGIGASQYYELHKA
 NISKYSLVMEADSGTFLPTGLQFTGSDKARAIMKEVMNLLQPLNVTKVFSNGEGTDINFWIQAGVPGASL
 RDDLYKYFFFHSHGDTMTVMDPKQMNVAAVWAVVAVVADMDMELPRS

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018755

ORF Size: 1413 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_018755.2](#), [NP_061225.2](#)

RefSeq Size: 2013 bp

RefSeq ORF: 1413 bp

Locus ID: 54381

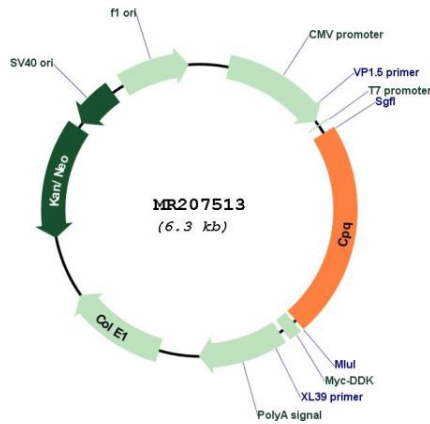
UniProt ID: [Q9WVJ3](#)

Cytogenetics: 15 B3.1

MW: 51.8 kDa

Gene Summary: Carboxypeptidase that may play an important role in the hydrolysis of circulating peptides. Catalyzes the hydrolysis of dipeptides with unsubstituted terminals into amino acids. May play a role in the liberation of thyroxine hormone from its thyroglobulin (Tg) precursor (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207513