

Product datasheet for **RC207807**

CPXM2 (NM_198148) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPXM2 (NM_198148) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPXM2
Synonyms:	CPX2; UNQ676
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207807 representing NM_198148
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCCGCCCGGGGACCGCTACCCAGCGCTGGCCCTGGTGCTCCTGGCAGTGACCCTGGCCGGGGTCCG
 GAGCCCAGGGCGCAGCCCTCGAGACCCTGATTATTACGGGCAGGAGATCTGGAGCCGGGAGCCCTACTA
 CGCGCGCCCGGAGCCCGAGCTCGAGACCTTCTCTCCGCCGCTGCCTGCGGGGCCGGGAGGAGTGGGAG
 CGGCGCCCGCAGGAGCCAGGCCGCCAAGAGGGCCACCAAGCCCAAGAAAGCTCCCAAGAGGGAGAAGT
 CGGCTCCGGAGCCGCTCCACCAGGTAACACAGCAACAAAAAGTTATGAGAACCAAGAGCTCTGAGAA
 GGCTGCCAACGATGATCACAGTGTCCGTGTGGCCCGTGAAGATGTCAGAGAGAGTTGCCACCTCTTGGT
 CTGAAACCTTAAAAATCACAGACTTCCAGCTCCATGCCTCCACGGTGAAGCGCTATGGCCTGGGGGCAC
 ATCAGGGGAGACTCAACATCCAGGCGGGCATTAAATGAAAATGATTTTTATGACGGAGCGTGGTGC CGGG
 AAGAAATGACCTCCAGCAGTGGATTGAAGTGGATGCTCGGCGCCTGACCAGATTCAGTGGTGCATCACT
 CAAGGGGAGGAACCTCCTCTGGCTGAGTACTGGGTGACATCCTATAAGGTCATGGTGAGCAATGACAGCC
 ACACGTGGGTCACTGTTAAGAATGGATCTGGAGACATGATATTTGAGGGAACAGTGAGAAGGAGATCCC
 TGTTCCTCAATGAGCTACCCGTCCCATGGTGGCCCGCTACATCCGCATAAACCCCTCAGTCCCTGGTTTGT
 AATGGGAGCATCTGCATGAGAATGGAGATCCTGGGCTGCCACTGCCAGATCCTAATAATTATTATCACC
 GCCGGAACGAGATGACCACCACTGATGACCTGGATTTTAAAGCACCACAATTATAAGGAAATGCGCCAGTT
 GATGAAAGTTGTGAATGAAATGTGTCCCAATATCACCAGAATTTACAACATTGGAAAAAGCCACCAAGGGC
 CTGAAGCTGTATGCTGTGGAGATCTCAGATCACCTGGGGAGCATGAAGTCGGTGAGCCCGAGTTCCACT
 ACATCGCGGGGGCCACGGCAATGAGGTGCTGGCCGGGAGCTGCTGCTGCTGGTGCATTCGTGTG
 TCAGGAGTACTTGGCCCGGAATGCGCGCATCGTCCACCTGGTGGAGGAGACGCGGATTCAGTCCCTCCC
 TCCTCAACCCCGATGGCTACGAGAAGGCCTACGAAGGGGGCTCGGAGCTGGGAGGCTGGTCCCTGGGAC
 GCTGGACCCACGATGGAATTGACATCAACAACAACCTTCTGATTTAAACACGCTGCTCTGGGAGGCAGA
 GGATCGACAGAATGTCCCAGGAAAGTTCCCAATCACTATATTGCAATCCCTGAGTGGTTTCTGTGCGAA
 AATGCCACGGTGGCTGCCGAGACCAGAGCAGTCAAGCCTGGATGGAAAAAATCCCTTTTGTGCTGGGCG
 GCAACCTGCAGGGCGGCGAGCTGGTGGTGGCGTACCCCTACGACCTGGTGGGTCCTCCCTGGAAGACGCA
 GGAACACACCCCCACCCCGACGACCACGTGTTCCGCTGGCTGGCCTACTCCTATGCCTCCACACACCGC
 CTCATGACAGACGCCCGGAGGAGGTGTGCCACACGGAGGACTTCCAGAAGGAGGAGGGCACTGTCAATG
 GGGCCTCCTGGCACACCGTCGCTGGAAGTCTGAACGATTTTCAGCTACCTTCATACAACTGCTTCGAACT
 GTCCATCTACGTGGGCTGTGATAAATACCCACATGAGAGCCAGCTGCCCGAGGAGTGGGAGAATAACCGG
 GAATCTCTGATCGTGTTCATGGAGCAGGTTTCATCGTGGCATTAAAGGCTTGGTGAGAGATTCACATGGAA
 AAGGAATCCCAAACGCCATTATCTCCGTAGAAGGCATTAAACATGACATCCGAACAGCCAACGATGGGGA
 TTACTGGCGCCTCCTGAACCTGGAGAGTATGTGGTACAGCAAAGGCCGAAGGTTTCACTGCATCCACC
 AAGAACTGTATGGTTGGCTATGACATGGGGGCCACAAGGTGTGACTTCACACTTAGCAAAACCAACATGG
 CCAGGATCCGAGAGATCATGGAGAAGTTTGGGAAGCAGCCCGTCAGCCTGCCAGCCAGCCGGCTGAAGCT
 GCGGGGGCAGAAGAGACGACAGCGTGGG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207807 representing NM_198148
 Red=Cloning site Green=Tags(s)

MSRPGTATPALALVLLAVTLAGVGAQGAALDPDYQGQEIWSREPYARPEPELETFSPLPAGPGEEWE
 RRPQEPKPKRATKPKKAPKREKSAPEPPPPGKHSNKKVMRTKSSEKAANDDHSVRVAREDVRESCPLG
 LETLKITDFQLHASTVKRYGLGAHRGRLNIQAGINENDFYDGAWCAGRNDLQQWIEVDARRLTRFTGVIT
 QGRNSLWLSDWVTSYKVMVSNDSHTWVTVKNKSGDMIFEGNSEKEIPVLNLPVPMVARYIRINPQSWFD
 NGSICMRMEILGCPLPDPNNYYHRRNEMTTDDDLDFKHHNYKEMRQLMKVVNEMCPNITRIYNIKSHQG
 LKLYAVEISDHPGEHEVGEPEFHFIAGAHGNEVLGRELLELLLVQFVCQEYLARNARIVHLVEETRIHVLV
 SLNPDGYEKAYEGGSELGGWSLGRWTHDGIDINNNFDPDLNLLWEAEDRQNVPRKVPNHYIAIPEWFLSE
 NATVAAETRAVIAWMEKIPFVLGGNLQGGELVVAYPYDLVRSPWKQEHTPTDDHVFRWLAYSASTHR
 LMTDARRRVCHTEDFQKEEGTVNGASWHTVAGSLNDFSYLHTNCFELSIYVGCDKYPHESQLPEEWENNR
 ESLIVFMEQVHRGIKGLVRDSHGKIPNAIISVEGINHDIRTANDGDYWRLLNPGEYVVTAKAEGFTAST
 KNCMVGYDMGATRCDFTL SKTNMARI REIMEKFGKQPVS LPARRLKLRGQKRRQRG

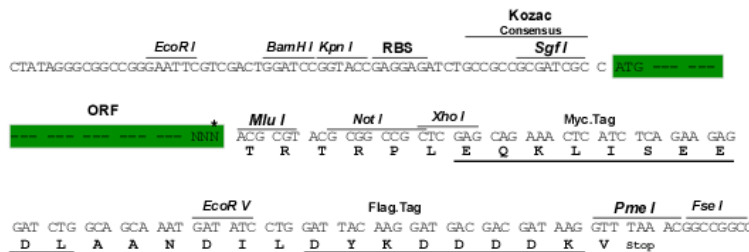
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198148

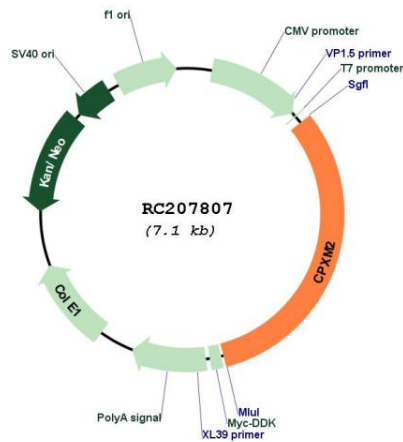
ORF Size: 2268 bp

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_198148.3](#)
- RefSeq Size:** 3750 bp
- RefSeq ORF:** 2271 bp
- Locus ID:** 119587
- UniProt ID:** [Q8N436](#)
- Cytogenetics:** 10q26.13
- Protein Families:** Druggable Genome, Protease, Secreted Protein, Transmembrane
- MW:** 85.9 kDa
- Gene Summary:** May be involved in cell-cell interactions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207807