

Product datasheet for **RR209665**

Chpf (NM_001005906) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chpf (NM_001005906) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chpf
Synonyms:	D1bwg1363e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR209665 representing NM_001005906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGCGTCGCTGCTGTCCGTGCTGCGGCCTGCGGGCCGGTGGCCGTGGGCATCTCTCTGGGCT
 TCACCCTGAGCTTACTCAGCGTCACCTGGGTGGAGGAGCCTTGCGGACCCGGACCACCCCAACCCGGCGA
 CTCTGAACTACCGCCGCGCGCAACACCAACGCGGCGCGCCGCCAACTCGGTGACGCCGGAGCGGAG
 CGCGAGAGGCCCGGGGCCGACGAAAGCTGGGAGCCTCGTGTCTTGCCCTACCATCCCGCCAGCCAGGCC
 AGGCTACCAAGAAGGCCGTGAGAACTCGGTATATCAGCACGAACTGGGCATCAGGCAGAAGCTGCTAGT
 GGCAGTGTGACCTCACAGGCCACGTTGCCTACACTGGGTGTGGTGTAAACCGAACTCTGGGACACCGA
 TTGGAGCATGTAGTGTCTGACCGGTGCGAGGGGCCCGGACACCATCAGGCATGGCGGTGGTGGCAC
 TGGGCGAAGAGCGGCCCATCGGACACCTGCACCTGGCGCTGCGCCACCTGCTGGAGCAACACGGCGATGA
 CTTTGACTGGTTTTCTAGTGCCTGATGCCACCTACACTGAGGGCATGGACTGGACCGCCTAACTGGC
 CACCTCAGCCTTGCTTACGAACCCACCTCTATCTTGCCGACCCAGGACTTATCGGTGGAGAGACTA
 CCCCAGGCCGTTACTGCCACGGGGCTTTGGAGTGTGCTGTCTCGCACACTACTACAGCAACTGCGCCC
 CCACCTGGAAAGCTGCCGTAATGACATCGTCAGTGTGCTCGCCAGATGAGTGGTTGGGCCGGTGCATCCTT
 GATGCCACAGGCATTGGCTGACTGGTCACCATGAGGGAATGCACTACAATATCTGGAAGTGGCCCTG
 GGAACCTGTGACAGGAGGGGACCTCGTTTCCGACGCGCTTGACAGCCACCCCTGTGCATGACCTGT
 GCATGTACAGCTGCACAAAGCTTTTGGCCGGGCTGAGCTGGACCGCACATACCAGGAGATTCAAGAA
 CTGCAGTGGGAGATCCAGAATACCAGCAGACTGGCTGCTGATGGGAGAGGGCTTCTACCTGGCCAGTGG
 GCATTCAGCGCCGTCTCGCCCTGCCTCGCGCTTTGAGTCTGCGCTGGGACTACTTCAGGAAACAGCA
 CACTTTCTCCTGTGCTGACGGCTCACCCGCTGCCTGCTGCGTGGGGCCGACCAGGCCGATGTGGCTGAT
 GTCCTAGGAACAGCCTTAGAGGAGCTCAACCGCGTTACCAGCCAGCACTGCGGCTCCAGAAGCAACAGC
 TGGTGAATGGCTACCGCGTTTTGATCCAGCCGAGGTATGGAGTACACACTAGACTTGCAGCTGGAAGC
 GCTGACGCCCCAGGGTGGCCGCTGGCCCTCACCCACAGGGTACAGCTCCTTCGGCCCTTGGCCGAGTG
 GAGATCTGCCTGTGCCCTATGTCACCGAGGCTTCTCGGGTCACTGTGCTGCTGCCTCTGGCTGCAGCAG
 AGTGTGACCTGGCATCTGGCTTCTAGAAGCCTTTGCCACTGCAGCACTGGAACCTGGCGATGCCGACG
 CTTGACCCTGCTGCTGTATGAGCCAGCCAGGCCAGCGGGCAGCCACGCAGATGTCTTCGCACCC
 GTCAAAGCCACGTGGCCGAGCTAGAGCGCGTTTTCCCTGGTGGCCGAGTGCCCTGGCTCAGTGTACAGA
 CATCCGCGCCCTCCTCGCTGCGCCTCATGGATCTACTCTCAAGAAGCACCCGCTGGACACTCTGTTCTT
 GCTGGCCGGGCCAGACACAGTGTCTCACACCCGACTTCTGAACCGCTGCCGCATGCACGCCATCTCGGGC
 TGGCAAGCCTTCTTCCATGCACTTCCAGGCCTTCCACCCTGTGTGGTCCACCTCAGGGCCCTGGGC
 CACCAGAACTGGGCCGTGACACCGGCCACTTTGATCGTCAGGCTGCCAGCGAGGCATGCTTCTAAACTC
 CGACTATGTGGCGGCCGTGGACGGCTGGTGGCAGTCTCCGAGCAGGAGGAGGAGCTGCTGGAGAGCCTG
 GATGTGTATGAGTTGTTCTACGCTTCTAGCTTGCATGTGCTGAGGGCAGTGGAAACAGCCTTGTCTGC
 AGCGCTACCGGGCCAGCCATGCAGCGCTCGGCTCAGCGAGGACCTTTATCACCGCTGTCCGACAGCGT
 GCTTGGAGGCCCTGGCTCCCGCACCCAGCTTGCATGTGCTCTTTGAACAGGAACAGGGTAACAGCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209665 representing NM_001005906
Red=Cloning site Green=Tags(s)

MRASLLL SVLRPAGPVA VGI SLGFTL SLLSVTWVEEPCGPGPPQPGDSELPPRGNTNAARRPNSVQPGAE
 RERPGADESWEPRVLPYHPAQPGQATKKAVRTRYISTELGIRQKLLVAVLTSQATLPTLGAVNRTLGH
 LEHVVFLTGARGRTPSGMAVVALGEERPIGHLHLALRHLLLEQHGDFFDWFLLVPDATYTEAHGLDRLTG
 HLSLASATHLYLGRPQDFIGGETTPGRYCHGGFVLLSRTLQLRPHLESCRNDIVSARPDEWLGRCIL
 DATGIGCTGHHEGMHNYLELSPGEPVQEGDPRFRSALTAHPVHDPVHMYQLHKAFARAELDRTYQEIQE
 LQWEIQNTSRLAADGERASTWPVGIPAPSRPASRFEVLRWDYFTEQHTFSCADGSPRCLLRGADQADVAD
 VLGTALEELNRRYQPALRLKQQLVNGYRRFDPARMEYTLDLQLEALTPQGGRWPLTHRQQLRPLSRV
 EILPVVYVTEASRVTVLLPLAAAECDLASGFLEAFATAALEPGDAAALLLLLYEPRQAQRAAHADVAFAP
 VKAHVAELERRFPGARVPWLSVQTSAPSPLRLMDLLSKKHPLDTLFLLAGPDTVLTDFLNRCRMHAISG
 WQAFPMHFQAFHPAVAPPQGPPELGRDTGHFDRQAASEACFYNSDYVAARGRLVAVSEQEELLES
 DVYELFLRFSSHLVLRVAVPALLQRYRAQPCARLSEDLYHRCRQSVLEGLGSRTQLAMLLFEQE QGNST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001005906

ORF Size: 2310 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_001005906.1](#), [NP_001005906.1](#)

RefSeq Size: 2946 bp

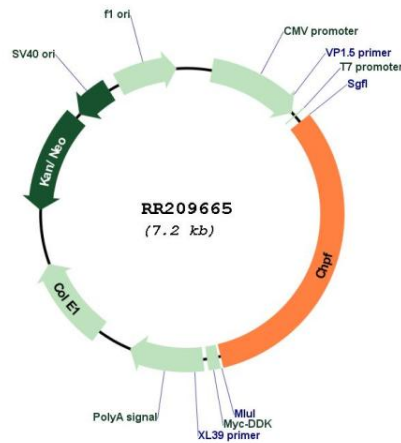
RefSeq ORF: 2313 bp

Locus ID: 316533

Cytogenetics: 9q33

MW: 85.3 kDa

Product images:



Circular map for RR209665