

Product datasheet for **MR209866**

Chfr (NM_172717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chfr (NM_172717) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chfr
Synonyms:	5730484M20Rik; C230082M18; RNF116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209866 representing NM_172717
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTACACGGGAAGAGCAGCCGCCGCCAGGAACCTGGGGAGGCTTCTTCGTCTAGGCG
CAGAGGAGGACGAACCCAGATCCTTTGGAAACGCGAGTGGACCATCGGAAGGAGGAGAGGCTGTGA
CCTCTCTTTCCCAAGCAATAAACTGGTCTCTGGAGATCACTGTAACCTACAGTGGATGAAATATCTGGT
GAGGTGACACTGGAAGACACCAGCACCAATGGAACAGTATCAATAAGCTGCAAGTTGTTAAGAAGCAGA
CTTACCCTTTACAGAGCGGGATATCATCTATTTGGTGTACAGGAAGAATGAGCCAGAACAATGTGGC
ATACCTCTATGAATCTTTAAGTGGCAAACAGAGCTTAACTCAAGACTCCCTTGAAGCCAATAAGGAAAAT
ATGTTCCATGTGACCAAAGATTGCTCAGGTCCAGGGCAGGGTGTATGATCCCCAGTTCCACTATTGTCAC
CCATGGCTCAGACATGCTTAGAGGAACCACAGCCATCAACATCGACATCAGACCTCTCCCCACGGCCTC
TACCTCTTCTACGGAGCCAGAGCTGACCTCTGCAGGGCAAAGCATTCTTCTAGCTCTGGACCTGGGAAC
ACAAGCATCTCCCAAAAGGACGCGATTCATTGTTGCAAATGGCGAACTCTCTAGCCTTTCTCCAGTTT
TCCAAGACAAAGAAGCATCCTTTCTTTGCTGGAAGTAAAGACCATGAGGAATTGGAGCCTGCCAAAAA
AAAGATGAAAGGAGATGGGGAACCTTGACACGAACCTCCAGTTATTAGTTTCAGGCCAGCGTGAAATGCC
CAAACCTCAAGTGAAGATGTCAAAGATGCCCTGTGAAGCCAGACAAGATGGAGGAGACACTAACCTGTA
TCATCTGCCAGGACCTTCTGCACGATTGTGTGAGTTTGCAGCCTTGTATGCACACATTTTGTGCGGCTTG
CTACTCTGGTTGGATGGAGCGTTCATCTCTGTGCCCTACCTGCCGATGTCCAGTGGAGCGGATTTGCAA
AACCACATCCTGAACAACCTAGTGAAGCATACCTTATCCAGCACCCAGATAAAAGTCCGAGTGAAGAAG
ATGTGAGAAGTATGGATGCAAGGAATAAACTCACTCAAGATATGCTGCAACCCAAAGTCAGGAGTCTTT
CTCTGATGAAGAGGGGAGTTTCAGAGGACCTGCTAGAGCTGTCTGATGTCGACAGTGAATCCTCAGATATC
AGTCAGCCATACATTGTCTGCAGACAGTGTCTGAATACAGAAGGCAAGCGGTGCAGTCTTTCCTTGCC
CAGTCCCAGAGAGTGAGCTGGGAGCTACACTGGCCCTTGGTGGGAGGCACCTTCAACATCTGCCAGCTT
GCCAACAGCCCCGGATTACATGTGCCCTTCAAGGAAGCCATGCCATATGCACCTGCTGCTTCCAGCCT
ATGCCTGACCGGAGAGCTGAACGGGAGCAGGATCCCCGCGTCGCCCTCAGCAGTGTGCGGTGTGCCTGC
AGCCCTTCTGCCACCTGTACTGGGGCTGCACGAGGACTGGCTGCTTTGGCTGCTTGGCCCCATTCTGTGA
GCTCAACCTGGGGACAAGTGTCTGGATGGAGTGTGAACAATAACAATTATGAATCGGACATCCTGAAG
AATTACCTGGCAACCAGGGTCTGACATGGAAAAGTGTGTTGACAGAGAGTCTCCTGGCTCTGCAGCGAG
GTGATTTTATGCTGTCTGATTACAGAATCACTGGAAACTGTGCTGTGTTACTGCTGTGGTCTCGGTAG
CTTCCGAGAGCTGACCTACCAGTATCGTCAGAATTCCTGCTTCTGAGTTGCCAGTGACTGTAACATCC
CGTCTGACTGCTACTGGGGCCGTAACCTGTGCACTCAGGTGAAGGCTCACCATGCAATGAAATTCATC
ACATCTGTGAGCAACAAGGTTCAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_172717.4](#)

RefSeq Size: 3166 bp

RefSeq ORF: 1992 bp

Locus ID: 231600

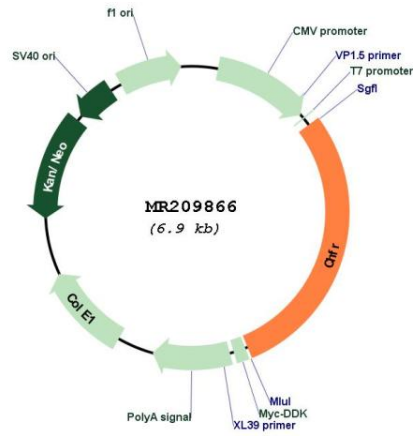
UniProt ID: [Q810L3](#)

Cytogenetics: 5 F

MW: 74.3 kDa

Gene Summary: E3 ubiquitin-protein ligase that functions in the antephasis checkpoint by actively delaying passage into mitosis in response to microtubule poisons. Acts in early prophase before chromosome condensation, when the centrosomes move apart from each other along the periphery of the nucleus. Probably involved in signaling the presence of mitotic stress caused by microtubule poisons by mediating the 'Lys-48'-linked ubiquitination of target proteins, leading to their degradation by the proteasome. Promotes the ubiquitination and subsequent degradation of AURKA and PLK1. Probably acts as a tumor suppressor, possibly by mediating the polyubiquitination of HDAC1, leading to its degradation. May also promote the formation of 'Lys-63'-linked polyubiquitin chains and functions with the specific ubiquitin-conjugating UBC13-MMS2 (UBE2N-UBE2V2) heterodimer. Substrates that are polyubiquitinated at 'Lys-63' are usually not targeted for degradation, but are rather involved in signaling cellular stress (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209866