

Product datasheet for **MC206709**

Chfr (BC049792) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chfr (BC049792) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chfr
Synonyms:	RNF116, C230082M18
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049792
 CTGTTGACAGCGGTGGCGGCGACTGTAAGGCCGGTTCGGGGTCCGCGCAGGGCGTGGGATGTGAGTCTT
 ATGGAGCTACACGGGGAAGAGCAGCCGCCGCCGCGCAGGAACCCCTGGGGGAGGCTTCTTCGTCTAGGCG
 CAGAGGAGGACGAACCCAGATCCTTCTTTGAAACCGGAGTGGACCATCGGAAGGAGGAGAGGCTGTGA
 CCTCTCTTTCCCAAGCAATAAAGTGGTCTCTGGAGTCACTGTAAGTACAGTGGATGAAATATCTGGT
 GAGGTGACACTGGAAGACACCAGCACCAATGGAACAGTGAATAAGCTGCAAGTTGTTAAGAAGCAGA
 CTTACCCTTACAGAGCGGGGATATCATCTATTTGGTGTACAGGAAGAATGAGCCAGAACAACAATGTGGC
 ATACCTCTATGAATCTTTAAGTGGCAAACAGAGCTTAACTCAAGACTCCCTTGAAGCCAATAAGGAAAAT
 ATGTTCCATGTGACCAAAGATTGCTCAGGTCCAGGGCAGGGTGTATGATCCCCAGTTTCCACTATTGTAC
 CCATGGCTCAGACATGCTTAGAGGAACACAGCCATCAACATCGACATCAGACCTCTCCCCACGGCCTC
 TACCTCTTCTACGGAGCCAGAGCTGACCTCTGCAGGGCAAAGCATTCTTCTAGCTCTGGACCTGGGAAC
 ACAAGCATCTCCCCAAAAGGACGCGATTCACTTGTGCAAATGGCGAACTCTCTAGCCTTCTCCAGTTT
 TCCAAGACAAAGAAGCATCCTTTTCTTTGCTGAAAAGTAAAGACCATGAGGAATTGGAGCCTGCCAAAA
 AAAGATGAAAGGAGATGGGGAACCTGACACGAACCTCCAGTTATTAGTTTCAGGCCAGCGTGGAAATGCC
 CAAACCTCAAGTGAAGATGTCAAAGATGCCTCTGTGAAGCCAGACAAGATGGAGGAGACACTAACCTGTA
 TCATCTGCCAGGACCTTCTGCACGATTGTGTGAGTTTGCAGCCTTGTATGCACACATTTTGTGCGCCTG
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 AACCACATCCTGAAACCTAGTGAAGCATACCTTATCCAGCACCCAGATAAAAGTCGAGTGAAGAAG
 ATGTGAGAAGTATGGATGCAAGGAATAAAATCACTCAAGATATGCTGCAACCCAAAGTCAGGAGGCTTT
 CTCTGATGAAGAGGGGAGTTTCAAGGACCTGCTAGAGTGTCTGATGTGACAGTGAATCCTCAGATATC
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 GCCAACAGCAGCCCCAGATTACATGTGCCCTTCAAGGAAGCCATGCCATATGCACCTGTGCTTCCAG
 CCTATGCCTGACCGGAGAGCTGAACGGGAGCAGGATCCCCGCGTCGCCCTCAGCAGTGTGCGGTGTGCC
 TGACGCCCTTCTGCCACCTGTAAGGGTGCACGAGGACTGGCTGCTTTGGCTGCTTGGCCCCATTCTG
 TGAGCTCAACCTGGGGACAAGTCTTGGATGGAGTGTGAACAATAACAATTATGAATCGGACATCCTG
 AAGAATTACCTGGCAACCAGGGTCTGACATGGAAAAGTGTGTTGACAGAGAGTCTCCTGGCTCTGCAGC
 GAGGTGTATTTATGCTGTCTGATTACAGAATCACTGGAATACTGTGCTGTGTTACTGCTGTGGTCTGCG
 TAGCTTCCGAGAGCTGACCTACCAGTATCGTCAGAACATTCTGCTTCTGAGTTGCCAGTACTGTAACA
 TCCCGTCTGACTGCTACTGGGGCCGAACTGTGCACCTCAGGTGAAGGCTCACCATGCAATGAAATTC
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 CAGGAGGCAATGTTTTTAAAAGCCCCATACAAACACTTGAAGGGCATTTTTACAGTTTTCCCTACGCA
 GCACTGGGGTCTGGTCAAGCACTGGGGTGTGGATTTTCCCTTTGTGGAGCATCATCGTCAAGTACACA
 CACACCAGTGGCCAGTAACTGGGAGGCCTCCTGGCCACACCAGCCTTCTAGTCGGTGTAAAGAGGATC
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 TTGTCAGTGTGTGACAGCATTCTCCGGAAGGAAAGGAAAGCATACGTTTACAGCCTCCAGGGGTACATA
 GGATAGTCTCCTGTCTGGAAGACACAGCCTTTTGTATATTTTTATTTTAAATAAGTTTGGTGTCTTCT
 TCTAATAAGATTTAAATATTTAAAACTGTAGCACAATACTATAATTTATAATTTACAAATGACTAAAA
 TTAGGAATAGCCTCATATTTGGAAGAATGAGCATATGTTTCTGTTTATTTAAAAAAATTTCAACTGTC
 CGAAACTGCTAATCCTGGGAAGGAAAGTCTTGTGAGTCCAGGTCCCTCGACCCAGGGCTGGCTGAGCCCTTA
 GCCCTCCAGTCCCTGAGAGCAACTCCCTGCTGAAACTCCAGATGGCTCCAGACTGACAGGGCCTTTGCTT
 TCCAAGCCCTCATCTGGTACATTAGGTTTGGCATGTCATCTGGAATAATACTTGAATTTTGTGTTTAGG
 TTTTTTAAAACTTTTTATCTTTTATTGAAATCACCTGTATATTTGTTTAAAACTGGTAACTTTTTGC
 TTCTCAGGAAAAAATTTTCAACTGTTGTCTTGTCTTGTATACAGACTGAGAGGCGACTCTGTGTTTGG
 TGGGAGATGGTTCTTTTTTGTATTAATAAATGAGCTGTGTTTGTTCAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: EcoRI-NotI
ACCN: BC049792
Insert Size: 1995 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC049792 , AAH49792
RefSeq Size:	3194 bp
RefSeq ORF:	1995 bp
Locus ID:	231600
Cytogenetics:	5 F
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 centrosome 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]