

## Product datasheet for TP509866

### Chfr (NM\_172717) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse checkpoint with forkhead and ring finger domains (Chfr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>&gt;MR209866 representing NM_172717</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MELHGEEQPPPPQEPWGRLLRLGAEEDPQILLWKREWTIGRRRGCDLSFPSNKLVS GDHCKLTVDEISG            EVTLEDSTNGTVINKLQVVKKQTYPLQSGDIIYLVYRKNEPEHNVAYLYESLSGKQSLTQDSLEANKEN            MFHVTKDCSGPGQGDDPQVPLLSPMAQTCLEEQPSTSTSDLLPTASTSSTPELTSAGQKHSSSSGPGN            TSISPKGRSSLVANGELSSLPVFQDKEASFSLLESKDHEELEPAKKMKMGD GELDTNLQLLVSGQRGNA            QTSSDEVKDASVKPDKMEETLTICQDLLHDCVSLQPCMHFTCAACYSGWMERSSLCPTCRCPVERICK            NHILNNLVEAYLIQHPDKSRSEEDVRSMDARNKITQDMLQPKVRRSFSDEEGSSEDLLSDVDSESSDI            SQPYIVCRQCPEYRRQAVQSLPCVPPESELGATLALGGEAPSTSASLPTAPDYMCP LQGSHAICTCCFQP            MPDRRAEREQDPRVAPQQCAVCLQPFCHLYWGCTRTGCFGCLAPFCELNLGDKCLDGV LNNNNYEDIL            K            NYLATRGLTWKSVLTESLLALQRGVFMLS DYRITGNTVLCYCCGLRSFRELTYQYRQNIPASELPVTVTS            RPD CYWGRNCRTQVKAHHAMKFNHICEQTRFKN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	74.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_766305</a>
<b>Locus ID:</b>	231600
<b>UniProt ID:</b>	<a href="#">Q810L3</a>
<b>RefSeq Size:</b>	3166
<b>Cytogenetics:</b>	5 F
<b>RefSeq ORF:</b>	1989
<b>Synonyms:</b>	5730484M20Rik; C230082M18; RNF116
<b>Summary:</b>	E3 ubiquitin-protein ligase that functions in the antephasic 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]