

## Product datasheet for TP511155

### Chaf1a (NM\_013733) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse chromatin assembly factor 1, subunit A (p150) (Chaf1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211155 representing NM_013733 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLEEPEAAATRTAAAVDCKDRPGFPVKRLIQARLPFKRLNLPKEKVEEDTSPKAAVESKVPDLQLSLGTF  
ESQCHTGSVHGLSTKLVGGQGPIDSFLRATIKPVPSVVIIDLTENCSDIPDSPEGHSELSPTAGVTTV  
EGAAKQQEHSAAELCLETSPDITCHMEEEPGSPGDPKRTGDCQAGSLQSCPELTPGSRTCPTKELSSWS  
KAGDLLFIEKVPVVLEDILATKPSIASLPMMSLDRSVTSESEILESCPEDDSILSHSSTNSSSPTSSPE  
GPSTPPEHRGGRSSPSTPACRVAKNFVKGSTEKGRSKLHRDREQQREEKEKLREEIRRAKEEARKKKEEE  
KELKEKERREKREKDEKEKAQRLKEEKRRKERQEALEAKLEEKRKKEEERLREEERLREEEKRIKAE  
KAEITRFFQPKTPQAPKTLAGSCGKFAPFEIHEHMLAPRCRAALDQDLCDQLDQLLQQQSVASTFLSD  
LKSRLPLRSGPTRVCGHDTDIMNRDVVIVESSKVDGVSERKKFGRMKLLQFSENHRPAYWGTWNKKTAI  
RPRNPWAQDKDLLDYEVDSDDEWEEEEPGESLSHSEGEDDDVGEDEDEDGFFVPHGYLSEDEGVTEEC  
ADPENHKVHQKLKAKEWDELLAKGKRFRVLQPVHVCVWASEAANCTSSDLKLLQQFTA CLLDVASPDPEP  
EPGASRREKRDQHILAQLLPLLHGNVNGSKVIIHEFQEQCRRGLLTPSPTPHLQMPNLEDAVAVPSKAR  
LKRLISENSAYEKRPNFRMCWVHPEVLKSFQGECLPVPCQWYIITMPSAPREDSGSASTEGPGQSTPM  
LLKRKPAATMCITQFMKKRRYDGVGSGDMDGFQADTEEDEEDDTDCMIIDVPDVGSDVSEAPIAPTLC  
K

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	101.9 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



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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_038761</a>
<b>Locus ID:</b>	27221
<b>UniProt ID:</b>	<a href="#">Q9QWF0</a>
<b>RefSeq Size:</b>	3308
<b>Cytogenetics:</b>	17 D
<b>RefSeq ORF:</b>	2733
<b>Synonyms:</b>	AL023013; AL024058; Cac1p; CAF-1
<b>Summary:</b>	Core component of the CAF-1 complex, a complex thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. CHAF1A binds to histones H3 and H4. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci.[UniProtKB/Swiss-Prot Function]