

## Recombinant Mouse Chaf1a Protein, Myc/DDK-tagged

**Cat. No.** Chaf1a-2136M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length chromatin assembly factor 1, subunit A (p150) (Chaf1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Core component of the CAF-1 complex, a complex that is 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. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci.
<b>Molecular Mass</b>	101.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Chaf1a chromatin assembly factor 1, subunit A (p150) [ Mus musculus (house mouse) ]

**Official Symbol** Chaf1a

**Synonyms** CHAF1A; chromatin assembly factor 1, subunit A (p150); chromatin assembly factor 1 subunit A; CAF-Ip150; CAF-I p150; CAF-1 subunit A; CAF-I 150 kDa subunit; chromatin assembly factor I p150 subunit; CAF-1; Cac1p; AL023013; AL024058

**Gene ID** 27221

**mRNA Refseq** NM\_013733

**Protein Refseq** NP\_038761

**UniProt ID** Q9QWF0

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