Recombinant Mouse Chaf1a Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	101.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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