

Recombinant Full Length Human CENPA Protein, C-Flag-tagged

Cat. No. CENPA-572HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CENPA Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. This gene encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. Centromere protein A is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4) ₂ tetrameric core of the nucleosome particle. The protein is a replication-independent histone that is a member of the histone H3 family. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	15.8 kDa
AA Sequence	MGPRRRSRKPEAPRRRSPSPPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQ KSTHLLIRKLPF SRL AREICVKFTRGVDFNWQAQALLALQEAAEAFVLVHLFEDAYLLT LHAGRVTLFPKDVQLARRIRGLEEGLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

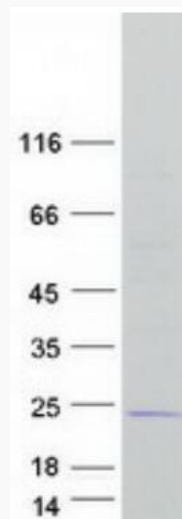
GENE INFORMATION

Gene Name	CENPA centromere protein A [Homo sapiens (human)]
Official Symbol	CENPA
Synonyms	CenH3; CENP-A
Gene ID	1058
mRNA Refseq	NM_001809.4
Protein Refseq	NP_001800.1
MIM	117139
UniProt ID	P49450

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Coomassie blue staining of purified CENPA protein.

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