

# 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)<sub>2</sub> 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  
KSTHLLIRKLPFSRL AREICVKFTRGVDFNWQAQALLALQEAAEAFVLVHLFEDAYLLT  
LHAGRVTLFPKDVQLARRIRGLEEGLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

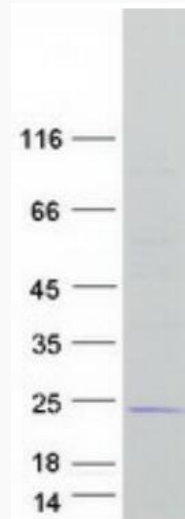
## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified CENPA protein.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA