

Recombinant Human CENPA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CENPA-6623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CENPA MS Standard C13 and N15-labeled recombinant protein (NP_001800) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	15.8 kDa
AA Sequence	MGPRRRSRKPEAPRRRSPSTPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQ KSTHLLIRKLPFSLAREICVKFTRGVDFNWQAQALLALQEAAEFLVHLFEDAYLLT LHAGRVTLFPKDVQLARRIRGLEEGLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

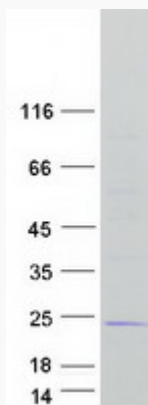
GENE INFORMATION

Gene Name	CENPA centromere protein A [Homo sapiens (human)]
Official Symbol	CENPA
Synonyms	CENPA; centromere protein A; centromere protein A (17kD), centromere protein A, 17kDa; histone H3-like centromeric protein A; CenH3; CENP A; centromere specific histone; histone H3 like centromeric protein A; centromere autoantigen A; centromere protein A, 17kDa; centromere-specific histone; CENP-A;
Gene ID	1058
mRNA Refseq	NM_001809
Protein Refseq	NP_001800
MIM	117139
UniProt ID	P49450

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SDS-PAGE

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