

# Recombinant Full Length Human CENPA Protein, GST-tagged

Cat. No. CENPA-3313HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CENPA full-length ORF (AAH00881, 1 a.a. - 114 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	114 amino acids
<b>Description</b>	<p>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. [provided by RefSeq, Nov 2015]</p>
<b>Molecular Mass</b>	38.28 kDa
<b>AA Sequence</b>	MGPRRRSRKPEAPRRRSPSPPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQ KSTHLLIRKLPFSRLAAEAFVHLFEDAYLLTLHAGRVTLFPKDVQLARRIRGLEEGLG
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [CENPA centromere protein A \[ Homo sapiens \]](#)

**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\\_001042426](#)

**Protein Refseq** [NP\\_001035891](#)

**MIM** [117139](#)

**UniProt ID** [P49450](#)

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