Recombinant Human CENPA Protein, GST-Tagged

Cat. No. CENPA-1111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CENPA full-length ORF (AAH00881, 1 a.a. - 114 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2015]
Molecular Mass	38.28 kDa
AA Sequence	MGPRRRSRKPEAPRRRSPSPTPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQ KSTHLLIRKLPFSRLAAEAFLVHLFEDAYLLTLHAGRVTLFPKDVQLARRIRGLEEGLG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

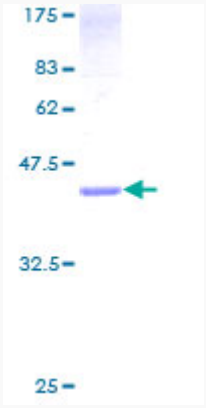
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45-1 Ramsey Road, Shirley, NY 11967, USA

	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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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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