

## Product datasheet for PH324761

### CENPA (NM\_001809) Human Mass Spec Standard

#### Product data:

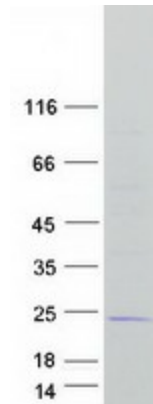
Product Type:	Mass Spec Standards
Description:	CENPA MS Standard C13 and N15-labeled recombinant protein (NP_001800)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224761
Predicted MW:	15.8 kDa
Protein Sequence:	>RC224761 representing NM_001809 Red=Cloning site Green=Tags(s)  MGP <del>RRRSRKPEAPRRRS</del> SPTPTPGPSRRG <del>PSLGASSHQHSRRRQ</del> W <del>LKEIRKLQKSTHLLIRKL</del> PFSRL AREICVKFTRGVDFNWQA <del>LLALQEA</del> EAF <del>L</del> VHLFEDAYLLTLHAGRVTLFPKDVQLARRIRGLEEGLG  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001800</a>
RefSeq Size:	1389
RefSeq ORF:	420
Synonyms:	CenH3; CENP-A
Locus ID:	1058
UniProt ID:	<a href="#">P49450</a>
Cytogenetics:	2p23.3



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**Summary:**

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]

**Product images:**

Coomassie blue staining of purified CENPA protein (Cat# [TP324761]). The protein was produced from HEK293T cells transfected with CENPA cDNA clone (Cat# [RC224761]) using MegaTran 2.0 (Cat# [TT210002]).