

## Product datasheet for **TP301602L**

### CENPA (NM\_001042426) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human centromere protein A (CENPA), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201602 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGPRRRSRKPEAPRRRSPSTPTPGPSRRGPSLGASSHQHSRRRQGWLKEIRKLQKSTHLLIRKLPFSRL AAEAFVHLFEDAYLLTLHAGRVTLFPKDVQLARRIRGLEEGLG  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	12.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001035891</a>
Locus ID:	1058
UniProt ID:	<a href="#">P49450</a>
RefSeq Size:	1352
Cytogenetics:	2p23.3



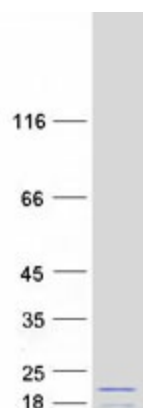
[View online »](#)

RefSeq ORF: 342

Synonyms: CenH3; CENP-A

**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# [TP301602]). The protein was produced from HEK293T cells transfected with CENPA cDNA clone (Cat# [RC201602]) using MegaTran 2.0 (Cat# [TT210002]).