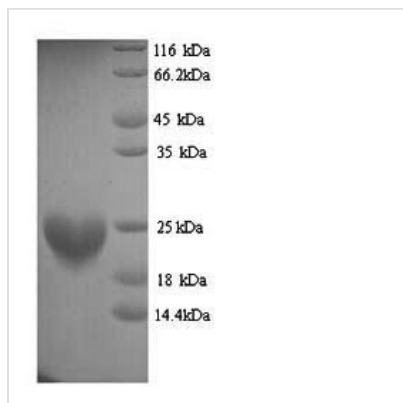




# Recombinant Mouse Histone H3-like centromeric protein A (Cenpa)

<b>Product Code</b>	CSB-YP005205MO
<b>Relevance</b>	Histone H3-like variant which exclusively replaces conventional H3 in the nucleosome core of centromeric chromatin at the inner plate of the kinetochore. Required for recruitment and assbly of kinetochore proteins, mitotic progression and chromosome segregation. May serve as an epigenetic mark that propagates centromere identity through replication and cell division. The CENPA-H4 heterotetramer can bind DNA by itself (in vitro) .
<b>Abbreviation</b>	Recombinant Mouse Cenpa protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O35216
<b>Alias</b>	Centromere protein A ;CENP-A
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MGPRRKPQTPRRRPSSPAPGPSRQSSSVGSQTLRRRQKFMWLKEIKTLQKS TDLLFRKKPFMSVVREICEKFSGVDFWWQAQALLALQEAAEAFLIHLFEDAYL LSLHAGRVTLFPKDIQLTRRIRGFEGGLP
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	Cenpa
<b>Protein Names</b>	Recommended name: Histone H3-like centromeric protein A Alternative name(s): Centromere protein A Short name= CENP-A
<b>Expression Region</b>	1-134aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	17.5kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.