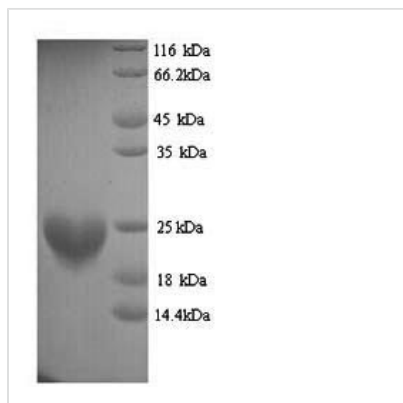




Recombinant Mouse Histone H3-like centromeric protein A (Cenpa)

Product Code	CSB-YP005205MO
Relevance	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) .
Abbreviation	Recombinant Mouse Cenpa protein
Storage	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.
Uniprot No.	O35216
Alias	Centromere protein A ;CENP-A
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MGPRRKPTPRRRPSSPAPGPSRQSSSVGSQTLRRRQKFMWLKEIKTLQKS TDLLFRKKPFMSVVREICEKFSGVDFWWQAQALLAQEAAEAFLIHLFEDAYL LSLHAGRVTLFPKDIQLTRRIRGFEGGLP
Research Area	Others
Source	Yeast
Target Names	Cenpa
Protein Names	Recommended name: Histone H3-like centromeric protein A Alternative name(s): Centromere protein A Short name= CENP-A
Expression Region	1-134aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.5kDa
Protein Length	Full Length
Image	



(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.