

Recombinant Mus musculus Histone H3-like centromeric protein A

Catalog No: #AP72496

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Package Size: #AP72496-1 20ug #AP72496-2 100ug #AP72496-3 1mg

Description

Product Name	Recombinant Mus musculus Histone H3-like centromeric protein A
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-134aaSequence Info:Full Length
Other Names	Centromere protein A ;CENP-A
Accession No.	O35216
Uniprot	O35216
GeneID	12615;
Calculated MW	17.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MGPRRKPKQTPRRRPPSSPAPGPSRQSSSVGSQTLRRRQKFMWLKEIKTLQKSTDLLFRKKPFMSMVVREICEKF SRGVDFWWQAQALLALQEAAEAFLIHLFEDAYLLSLHAGRVTLFPKDIQLTRRIRGFEGGLP
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 assembly 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).

References

Gene structure and sequence analysis of mouse centromere proteins A and C.Kalitsis P., Macdonald A.C., Newson A.J., Hudson D.F., Choo K.H.A.Genomics 47:108-114(1998)Research Topic:Others

Note: This product is for in vitro research use only