

# Recombinant Mouse Histone H1.1(Hist1h1a)

Catalog No: #AP70389

Package Size: #AP70389-1 20ug #AP70389-2 100ug #AP70389-3 1mg

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## Description

Product Name	Recombinant Mouse Histone H1.1(Hist1h1a)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-213aaSequence Info:Full Length
Other Names	H1 VAR.3Histone H1a ;H1a
Accession No.	P43275
Calculated MW	48.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	SETAPVAQAASTATEKPAAAKTKKPAKAAAPRKKPAGPSVSELIVQAVSSSKERSGVSLAALKKSLAAAGYD VEKNNSRIKLGKSLVNGTLVQTKGTGAAGSFKLNKKAESKAITTKVSVKAKASGAACKPKKTAGAAAKKTVK TPKKPKPAVSKKTSKSPKPKVVKAKKVAKSPAKAVKPKASKAKVTKPKTPAKPKKAAPKKK
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 H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation .

## References

Citrullination regulates pluripotency and histone H1 binding to chromatin.Christophorou M.A., Castelo-Branco G., Halley-Stott R.P., Oliveira C.S., Loos R., Radzishchanskaya A., Mowen K.A., Bertone P., Silva J.C., Zernicka-Goetz M., Nielsen M.L., Gurdon J.B., Kouzarides T.Nature 507:104-108(2014)  
Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.