

Histone H1.1 Recombinant Protein | Hist1h1a recombinant protein

Recombinant Mouse Histone H1.1(Hist1h1a)

CATALOG # AAA113398	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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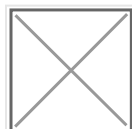
PRODUCT SYNONYMS

Histone H1.1; Recombinant Mouse Histone H1.1(Hist1h1a); H1 VAR.3; Histone H1a; H1a; Hist1h1a recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-213aa; Full Length of Mature Protein
Sequence	SETAPVAQAA STATEKPAAA KTKKPAKAA APRKKPAGPS VSELIVQAVS SSKERSGVSL AALKKSLAAA GYDVEKNNSR IKLGLKSLVN KGTLVQTKGT GAAGSFKLNK KAESKAITTK VSVKAKASGA AKKPKKTAGA AAKKTVPKTPK KPKKPAVSKK TSKSPKKPKV VKAKKVAKSP AKAKAVKPKA SKAKVTKPKT PAKPKKAAPK KK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Hist1h1a recombinant protein	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.
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References	Isolation and characterization of two replication-dependent mouse H1 histone genes.Dong Y., Sirotkin A.M., Yang Y.-S., Brown D.T., Sittman D.B., Skoultchi A.I.Nucleic Acids Res. 22:1421-1428(1994) Expression of murine H1 histone genes during postnatal development.Franke K., Drabent B., Doenecke D.Biochim. Biophys. Acta 1398:232-242(1998) The human and mouse replication-dependent histone genes.Marzluff W.F., Gongidi P., Woods K.R., Jin J., Maltais L.J.Genomics 80:487-498(2002) Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamouisis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009) Mural R.J., Adams M.D., Myers E.W., Smith H.O., Venter J.C. In vivo phosphorylation of histone H1 variants during the cell cycle.Talaszi H., Helliger W., Puschendorf B., Lindner H.Biochemistry 35:1761-1767(1996) Spermatogenesis in mice is not affected by histone H1.1 deficiency.Rabini S., Franke K., Saftig P., Bode C., Doenecke D., Drabent B.Exp. Cell Res. 255:114-124(2000) SIRT5-mediated lysine desuccinylation impacts diverse metabolic pathways.Park J., Chen Y., Tishkoff D.X., Peng C., Tan M., Dai L., Xie Z., Zhang Y., Zwaans B.M., Skinner M.E., Lombard D.B., Zhao Y.Mol. Cell 50:919-930(2013) Citrullination regulates pluripotency and histone H1 binding to chromatin.Christophorou M.A., Castelo-Branco G., Halley-Stott R.P., Oliveira C.S., Loos R., Radzisheuskaya 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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21426823
NCBI GeneID	80838
NCBI Accession #	NP_085112.1
NCBI GenBank Nucleotide #	NM_030609.3
UniProt Accession #	P43275; Q5SZ98
Molecular Weight	48.7 kDa
NCBI Official Full Name	histone H1.1
NCBI Official Synonym Full Names	histone cluster 1, H1a
NCBI Official Symbol	Hist1h1a
NCBI Official Synonym Symbols	H1a; H1.1; H1f1; H1var3
NCBI Protein Information	histone H1.1
UniProt Protein Name	Histone H1.1
UniProt Gene Name	Hist1h1a
UniProt Synonym Gene Names	H1a; H1f1; H1a
UniProt Entry Name	H11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hist1h1a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113398>