Human Histone H2A type 3 Protein

Cat. No. HIS-HE02A

Description

Source	Recombinant Human Histone H2A type 3 Protein is expressed from E.coli without tag.
	It contains Ser2-Lys130.
Accession	Q7L7L0
Molecular Weight	The protein has a predicted MW of 13.99 kDa. The protein migrates to 15-20 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

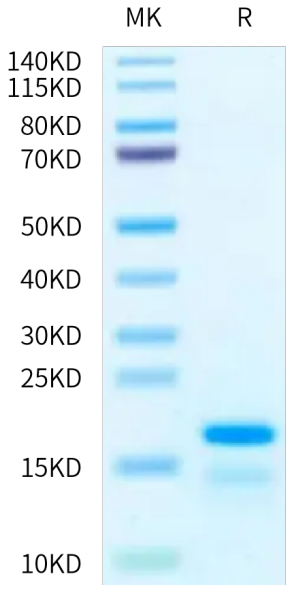
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The family of histone H2A proved that there are a lot of variants associated with cancer development. HIST3H2A is a promising biomarker for predicting prognosis of pancreatic cancer, and it could be a potential therapeutic target. HIST3H2A might regulate the progression of tumor immune in pancreatic cancer through modulating the JAK-STAT pathway. In addition, the role HIST3H2A in pancreatic cancer may be related to DCST1-AS1, HIST1H2B, SLC12A9-AS1.

Assay Data

Bis-Tris PAGE



Human Histone H2A type 3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.