

Datasheet for ABIN7595301

Histone Superfamily Protein protein (His tag,thrombin cleavage site)



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2 Images

Overview

Quantity:	100 µg
Target:	Histone Superfamily Protein
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag,thrombin cleavage site
Application:	Cytotoxicity Test (CyTox), SDS-PAGE (SDS), Staining Methods (StM)

Product Details

Sequence:	HHHHHHLVPR GSMARTKQTA RKSTGGKAPR KQLATKAARK SAPSTGGVKK PHRYRPGTVA LREIRRYQKS TELLIRKLPF QRLVREIAQD FKTDLRFQSA AIGALQEASE AYLVGLFEDT NLCAIHAKRV TIMPKDIQLA RRIRGERA
Specificity:	Possible applications in R&D, SDS-PAGE, Westen Blotting
Characteristics:	Full length Homogeneously expressed in E coli Free of animal and viral components Shows comparable activity to commercially sourced Histon H3 from Calf Thymus, based on cytotoxicity assay. Supplied in low-binding tubes to ensure optimal sample recovery Thrombin tag for His-tag removal This product is for R&D purposes only. Not for human use
Purification:	Affinity chromatography

Product Details

Purity: >95 %

Endotoxin Level: ND

Target Details

Target: Histone Superfamily Protein

Alternative Name: Histon H3.3

Background: Histone H3 is a core component for the nucleosome, which is a complex present in chromatin and essential for DNA packaging in the nucleus. It plays a key role in gene regulation through post-translational modifications, influencing processes such as transcription, DNA repair, and cell division.

Molecular Weight: 16,8 kDa

Gene ID: 3021

NCBI Accession: [NM_005324](#)

UniProt: [P84243](#)

Application Details

Application Notes: SDS PAGE + coomassie blue stain,Cytotoxicity assay,A280

Restrictions: For Research Use only

Handling

Format: Lyophilized

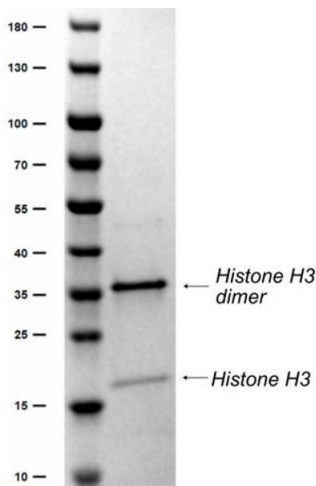
Reconstitution: Centrifuge tubes before opening. Reconstitute the sample in the water. Avoid pipetting up and down.

Buffer: 25 mM HEPES, 140 mM NaCl pH 7,4

Preservative: Without preservative

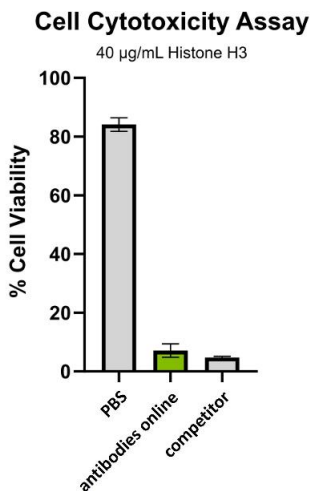
Storage: -80 °C

Storage Comment: Stable at -80 °C for at least 6 months in lyophilized form. After reconstitution, if not used, aliquot and store at -80 °C. Avoid repeated freeze and thaw cycles. Lyophilized proteins are shipped at ambient temperature.



SDS-PAGE

Image 1. Histone H3 predominantly migrates as a dimer on SDS-PAGE. Band identity was confirmed by His-tag specific Western blot analysis.



Cytotoxicity Test

Image 2. Competitor is commercially sourced Histone H3 from Calf Thymus.