Recombinant Human HIST2H3A protein, His-tagged

Cat. No. HIST2H3A-1559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H3A aa. (Met1~Ala136 (Accession # Q71DI3)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala136
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.9kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	11.1

GENE INFORMATION

Gene Name	HIST2H3A histone cluster 2 H3 family member a [Homo sapiens (human)]
Official Symbol	HIST2H3A
Synonyms	HIST2H3A; histone cluster 2 H3 family member a; H3/n; H3/o; histone H3.2; histone 2, H3a; histone H3/o; histone cluster 2, H3a
Gene ID	333932

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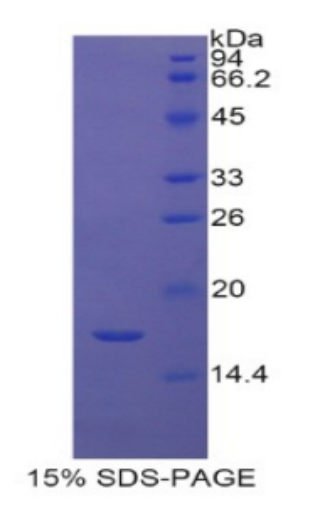
mRNA Refseq	NM_001005464.2
Protein Refseq	NP_001005464.1
UniProt ID	Q71DI3
SDS-PAGE	

15% SDS-PAGE

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