Recombinant Human HIST2H2AC protein, His & GST-tagged

Cat. No. HIST2H2AC-1514H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H2AC aa. (Met1~Lys129) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys129
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
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.
Concentration	200μg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	10.9

GENE INFORMATION

Gene Name	HIST2H2AC histone cluster 2 H2A family member c [Homo sapiens (human)]
Official Symbol	HIST2H2AC
Synonyms	HIST2H2AC; histone cluster 2 H2A family member c; H2A; H2A/q; H2AFQ; H2A-GL101; histone H2A type 2-C; H2A histone family, member Q; histone 2, H2ac; histone H2A-GL101; histone H2A/q; histone IIa; histone cluster 2, H2ac
Gene ID	8338

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mRNA Refseq	NM_003517.2
Protein Refseq	NP_003508.1
UniProt ID	Q16777

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