Recombinant Human H2BC21 Protein, His-tagged

Cat. No. H2BC21-2815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Homo sapiens (Human), Mus musculus (Mouse), Rattus norvegicus (Rat) H2BC21 Protein (Pro2-Lys126) fused with a N-His tag.
Species	Human/Mouse/Rat
Source	E.coli
ProteinLength	Pro2-Lys126
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 encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.5 kDa Accurate Molecular Mass: 18 kDa
Purity	> 90%

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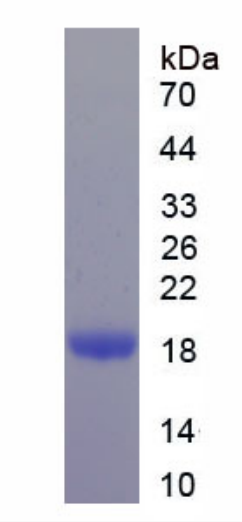
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	H2BC21 H2B clustered histone 21 [Homo sapiens (human)]
Official Symbol	H2BC21
Synonyms	H2BC21; H2B clustered histone 21; H2B; H2BE; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105; H2B-GL105; HIST2H2BE; histone H2B type 2-E; H2B histone family, member Q; histone 2, H2be; histone H2B-GL105; histone H2B.q; histone cluster 2 H2B family member e; histone cluster 2, H2be
Gene ID	8349
mRNA Refseq	https://NM_003528
Protein Refseq	https://NP_003519

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MIM	601831
UniProt ID	Q16778



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