

Product datasheet for **TP315946**

H2BC1 (NM_170610) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human histone cluster 1, H2ba (HIST1H2BA), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC215946 protein sequence
Red=Cloning site **Green**=Tags(s)

MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKRTRKESYSIYIKVLKQVHPDTGISSKAMSIMNSFVTD
IFERIASEASRLAHYSKRSTISSREIQTAVRLLLPGELAKHAVSEGTKAVTKYTSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 14 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_733759](#)

Locus ID: 255626

UniProt ID: [Q96A08](#)

RefSeq Size: 437

Cytogenetics: 6p22.2



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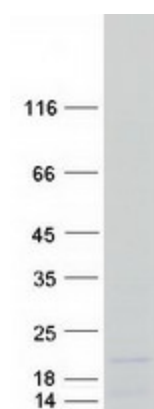
RefSeq ORF: 381

Synonyms: bA317E16.3; H2BFU; HIST1H2BA; hTSH2B; STBP; TH2B; TSH2B; TSH2B.1

Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq, Aug 2015]

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified HIST1H2BA protein (Cat# TP315946). The protein was produced from HEK293T cells transfected with HIST1H2BA cDNA clone (Cat# [RC215946]) using MegaTran 2.0 (Cat# [TT210002]).