

## Product datasheet for **TP322960M**

### **H2BU1 (NM\_175055) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human histone cluster 3, H2bb (HIST3H2BB), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC222960 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPDPSKSAPAPKKGSKKAVTKAQQKDGKKRKRGRKESYSIYVYKVLKQVHPDTGISSKAMGIMNSFVNDI  
FERIASEASRLAHYNKRSTITSREVQTAVRLLLPGELAKHAVSEGTKAVTKYTSSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 13.7 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\\_778225](#)

**Locus ID:** 128312

**UniProt ID:** [Q8N257](#)

**RefSeq Size:** 452

**Cytogenetics:** 1q42.13



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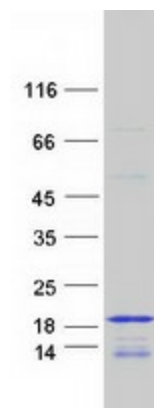
RefSeq ORF: 378

Synonyms: H2Bb; HIST3H2BB

**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 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 HIST3H2BB protein (Cat# [TP322960]). The protein was produced from HEK293T cells transfected with HIST3H2BB cDNA clone (Cat# [RC222960]) using MegaTran 2.0 (Cat# [TT210002]).