

## Product datasheet for **TP322960L**

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

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Recombinant protein of human histone cluster 3, H2bb (HIST3H2BB), 1 mg  |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | HEK293T   |
| <b>Expression cDNA Clone or AA Sequence:</b> | >RC222960 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MPDPSKSAPAPKKGSKKAVTKAQKKDGGKKRKRGRKESYSIYVYKVLKQVHPDTGISSKAMGIMNSFVNDI<br>FERIASEASRLAHYNKRSTITSREVQTAVRLLLPGELAKHAVSEGTKAVTKYTSSK<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| <b>Tag:</b>                                  | C-Myc/DDK   |
| <b>Predicted MW:</b>                         | 13.7 kDa  |
| <b>Concentration:</b>                        | >0.05 µg/µL as determined by microplate BCA method  |
| <b>Purity:</b>                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Buffer:</b>                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| <b>Preparation:</b>                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| <b>Note:</b>                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| <b>Storage:</b>                              | Store at -80°C.   |
| <b>Stability:</b>                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>                               | <a href="#">NP_778225</a>   |
| <b>Locus ID:</b>                             | 128312  |
| <b>UniProt ID:</b>                           | <a href="#">Q8N257</a>  |
| <b>RefSeq Size:</b>                          | 452   |
| <b>Cytogenetics:</b>                         | 1q42.13   |



[View online »](#)

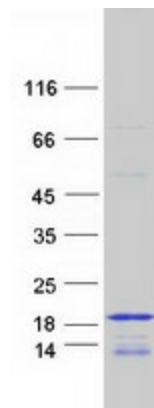
RefSeq ORF: 378

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]).