

## Product datasheet for **TP305918L**

### HMG1 (HMGB1) (NM\_002128) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human high-mobility group box 1 (HMGB1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC205918 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGFEDMAKADKAR  
YEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADD  
KQPYEKKA AKLKEKYEKDIAAYRAKGPDAAKKGVVKA EKSKKKKEEEDEEDEE EEEEEDEEDEE  
DDDDE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 24.7 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\\_002119](#)

**Locus ID:** 3146

**UniProt ID:** [P09429](#), [A0A024RDR0](#), [Q5T7C3](#)



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RefSeq Size: 3428

Cytogenetics: 13q12.3

RefSeq ORF: 645

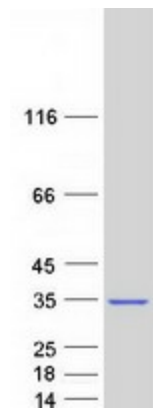
Synonyms: HMG-1; HMG1; HMG3; SBP-1

**Summary:** This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Base excision repair

### Product images:



Coomassie blue staining of purified HMGB1 protein (Cat# [TP305918]). The protein was produced from HEK293T cells transfected with HMGB1 cDNA clone (Cat# [RC205918]) using MegaTran 2.0 (Cat# [TT210002]).