

**HMGB1, 1-215 aa, Human, His tagged, Recombinant, Baculovirus**

**Cat.NO.: TP02468**

3th Edition

**Synonyms:**High-mobility group box1, HMG1, HMG3, SBP-1

**Description:**High mobility group box1 protein (HMGB1) is a very abundant chromatin-binding protein residing in the eukaryotic cell nucleus and acting in the assembly of nucleoprotein complexes. Inside the cell, HMGB1 binds to DNA and has a role in transcriptional regulation. Outside the cell, HMGB1 acts as a cytokine and has activities that resemble those of tumor necrosis factor.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT,1 mM EDTA, 10% glycerol

**Molecular Weight:**25kDa (223aa), confirmed by MALDI-TOF

**Sequences:**

MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGFEDMAKADKARYER  
EMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAA  
KLKEYEKDIAAYRAKGPDAAKKGVVKAESKKKKEEEEDEEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDDDELEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.