

Product information

HMGB1, 1-215 aa

Human, His-tagged, Recombinant, *Baculovirus*

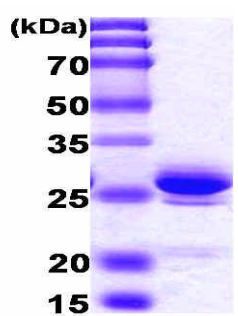
Cat. No. IBHMG0801

Full name: High-mobility group box1

NCBI Accession No.: NP_002119

Synonyms: 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. Recombinant human HMGB1 was expressed in High Five insect cells and purified by conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT, 1 mM EDTA, 10% glycerol</p> <p>Molecular Weight: 25kDa (223aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3µg)</p>
<p>Sequences of amino acids:</p> <p>MGKGDPKKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKGLG EMWNNTAADD KQPYEKKA AK LKEYEKDIA AYRAKGPDA AKKGVVKA EK SKKKKEEEED EDEEDEEEEE EDEEDEEEEE DDDDELEHHH HHH</p>	

General references:

Palumbo R J., *et al.* (2004) *Cell Biol.* **164**(3):441-9

Andersson U., *et al.* (2002) *Leukoc Biol.* **72**(6):1084-91

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.