

## 32-8351: Recombinant Human High Mobility Group Protein B1/HMGB1 (N-MARI)

**Gene :** HMGB1

**Gene ID :** 3146

**Uniprot ID :** P09429

### Description

Source: E. coli.

MW :10kD.

Recombinant Human High mobility group protein B1 is produced by our E.coli expression system and the target gene encoding Pro92-Val176 is expressed with a MARI tag at the N-terminus. High mobility group protein B1 is a member of the HMGB family consisting of three members, HMGB1, HMGB2 and HMGB3. It contains 2 HMG box DNA-binding domains entitled box A and box B and it is a highly negative-charged C terminus. As a nuclear protein, HMGB1 stabilizes nucleosomes and allows bending of DNA that facilitates gene transcription which is essential for individual survival. Meanwhile, it is revealed that HMGB1 can also act as a cytokine extracellularly and regulates monocyte, T cell, dendritic cell activities in inflammatory responses.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 50mM HEPES-Na, pH 7.9, 500mM NaCl, 0.6mM DTT.

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.

**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** MARIDPNAPKRPPSAFFLCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAALK  
EKYEKDIAAYRAKGKPDAAKKGVV

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.