

## 32-7733: Recombinant Human High Mobility Group Protein B2/HMGB2 (C-6His)

**Gene :** HMGB2

**Gene ID :** 3148

**Uniprot ID :** P26583

### Description

Source: Human Cells.

MW :25.07kD.

Recombinant Human High Mobility Group Protein B2 is produced by our Mammalian expression system and the target gene encoding Gly2-Glu209 is expressed with a 6His tag at the C-terminus. High Mobility Group Protein B2 (HMGB2) belongs to the non-histone chromosomal high-mobility group protein family. Members of this family are chromatin-associated and widely spread in the nucleus of higher eukaryotic cells. HMGB2 contains 2 HMG box DNA-binding domains. It is associated with chromatin and has the ability to bend DNA, preferentially single-stranded DNA. It is shown that HMGB2 is able to efficiently bend DNA and form DNA circles. In addition, HMGB2 is involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. 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 :** MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFEDMAKSDKARY  
DREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEHRPKIKSEHPGLSIGDTAKKLGEWSEQSAKDKQPY  
EQKAAKLKEYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEEEDEDEEEDEDEEVDHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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