

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 : MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFSAEFSKCSERWKTMSAKEKSKFEDMAKSDKARY
DREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPY
EQKAAKLKEYEKDIAAYRAKKGSEAGKKGPRPTGSKKKNEPEEEEEEEEEDEEEEEDEEVDHHHHHHH

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 ddH₂O. 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.