

Human CellExp™ HMGB1 /HMG1, Mouse Recombinant

CATALOG NO: P1465-10 10 µg
P1465-50 50 µg

ALTERNATE NAMES: HMGB1, HMG1, HMG3, SBP-1

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.8 kDa. The protein migrates as 33 kDa and 35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >90% SDS-PAGE

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

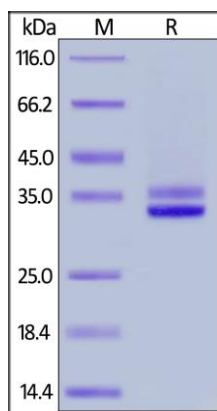
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C

DESCRIPTION: High-mobility group protein B1 (HMGB1) is also known as high-mobility group protein 1 (HMG-1) and amphoterin, is a member of the HMGB family consisting of three members, HMGB1, HMGB2 and HMGB3. HMGB1 is a non-histone architectural chromosomal protein ubiquitously present in all vertebrate nuclei and binds double-stranded DNA without sequence specificity. The mechanism of inflammation and damage is binding to TLR4, which mediates HMGB1-dependent activation of macrophage cytokine release. This positions HMGB1 at the intersection of sterile and infectious inflammatory responses. HMGB1 has been studied as a DNA vaccine adjuvant and a target for cancer therapy.

AMINO ACID SEQUENCE: Met 1 - Glu 215



Mouse HMGB1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

RELATED PRODUCTS:

Human CellExp™ HMGB1 /HMG1, human recombinant (7240)
Anti-HMGB1 Antibody (A1005)
Anti-HMGB1 Monoclonal Antibody (Clone: ABM24D3) (A1534)
Anti-HMGB1 Monoclonal Antibody (Clone: ABM2E44) (A1535)

FOR RESEARCH USE ONLY! Not to be used on humans.