

Human CellExp HMGB1 /HMG1, human recombinant protein
HMGB1, HMG1, HMG3, SBP-1
Catalog # PBV10870r**Specification**

Human CellExp HMGB1 /HMG1, human recombinant protein - Product infoPrimary Accession
Calculated MW[P09429](#)

The protein is fused with 6×His tag at the C-terminus, has a calculated MW of 25.7 kDa. The predicted N-terminus is Met1. DTT-reduced Protein migrates as 28 kDa and 32 kDa due to different glycosylation. KDa

Human CellExp HMGB1 /HMG1, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
HMGB1, HMG1, HMG3, SBP-1**3146**
HMGB1Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Target/Specificity
HMGB1**Human**
HEK 293 cells
SDS-PAGE; ≥95%
HPLC;
Yes**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized powder

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp HMGB1 /HMG1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp HMGB1 /HMG1, human recombinant protein - Images

Human CellExp HMGB1 /HMG1, human recombinant protein - Background

High-mobility group protein B1 (HMGB1), 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.

Human CellExp HMGB1 /HMG1, human recombinant protein - References

Wen L.,et al.Nucleic Acids Res. 17:1197-1214(1989).
Ferrari S.,et al.Genomics 35:367-371(1996).
Xiang Y.-Y.,et al.Int. J. Cancer 74:1-6(1997).
Kornblit B.,et al.Tissue Antigens 70:151-156(2007).
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