

ARG70384 Human HMGB2 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

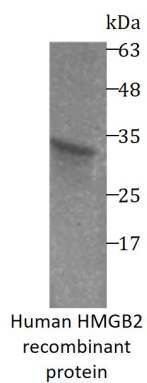
Product Description	E. coli expressed, His-tagged (C-ter) Human HMGB2 recombinant protein
Tested Application	SDS-PAGE
Target Name	HMGB2
Species	Human
A.A. Sequence	Met1 - Glu209
Expression System	E. coli
Alternate Names	HMGB2; High Mobility Group Box 2; HMG2; High-Mobility Group (Nonhistone Chromosomal) Protein 2; High Mobility Group Protein B2; High Mobility Group Protein 2; HMG-2; High-Mobility Group Box 2

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HMGB2
Gene Full Name	High Mobility Group Box 2
Background	This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.
Function	Proposed to be involved in the innate immune response to nucleic acids by acting as a promiscuous immunogenic DNA/RNA sensor which cooperates with subsequent discriminative sensing by specific pattern recognition receptors.
PTM	Acetylation, Disulfide bond, Oxidation, Phosphoprotein
Cellular Localization	Chromosome, Cytoplasm, Nucleus, Secreted



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SDS-PAGE image

SDS-PAGE analysis of ARG70384 Human HMGB2 recombinant protein (His-tagged, C-ter)