

# Recombinant Mouse Hmgb1 protein, His-tagged

**Cat. No.** Hmgb1-2629M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Hmgb1(Met1~Glu215) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Met1~Glu215                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 26.4kDa                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and                                                                                                                                                                                                                                                        |

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store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name** Hmgb1 high mobility group box 1 [ Mus musculus ]

**Official Symbol** Hmgb1

**Synonyms** HMGB1; high mobility group box 1; high mobility group protein B1; high mobility group protein 1; DEF; p30; Hmg1; HMG-1; SBP-1; amphoterin; MGC103168; MGC103169; MGC117896; MGC117897;

**Gene ID** 15289

**mRNA Refseq** NM\_010439

**Protein Refseq** NP\_034569

**MIM**

**UniProt ID** P63158

**Chromosome Location** 5 G3; 5 89.18 cM

**Pathway** Activated TLR4 signalling, organism-specific biosystem; Activation of DNA fragmentation factor, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Base excision repair, organism-specific

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biosystem;

**Function**

5S rRNA binding; DNA binding; DNA binding, bending; RAGE receptor binding; bent DNA binding; binding; calcium-dependent protein kinase regulator activity; crossed form four-way junction DNA binding; cytokine activity; cytokine activity; double-stranded DNA binding; four-way junction DNA binding; glycolipid binding; heparin binding; open form four-way junction DNA binding; peptide binding; phosphatidylserine binding; protein dimerization activity; protein kinase activator activity; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; single-stranded DNA binding; transcription factor binding;

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