

## High Mobility Group Protein 1 (HMGB1) Protein | HMGB1 protein

Eukaryotic High Mobility Group Protein 1 (HMGB1)

|                               |                           |                                               |
|-------------------------------|---------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA150589</b> | HOST<br><b>293F cells</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|---------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

High Mobility Group Protein 1 (HMGB1); Eukaryotic High Mobility Group Protein 1 (HMGB1); High Mobility Group Protein 1; HMG1; HMG3; SBP1; Sulfoglucuronyl Carbohydrate Binding Protein; Amphoterin; High Mobility Group Box 1 Protein; HMGB1 protein

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                      | 293F cells                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                       | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                               | Freeze-dried powder<br>20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                             |
| Sequence                                  | Met1~Glu21 5                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for HMGB1 protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source                                    | Eukaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                                   | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag                                       | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Endotoxin                                 | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isoelectric Point                         | 5.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Subcellular Location                      | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage                                     | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                   | Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles.<br>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 degree C 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. |



MGKGDPKKPRGKMSSYAFFVQTREEHKKHPDASVNFSEFSKCKSERIKMTSAKEKGKFEDMAKADKARYERPKTYIPPKGETKKKF  
KDPNAPKRPPSAFFLCSEYRPKIGEHPLSIGDVAKKLGEINNTAADDKQPYEKKAALKKEYEKDIAAYRAKGGKPDAAKKGVVKA  
EKSKKKKEEEDDEEEDDEEEEEEEDEEEDDDDE

**SDS-PAGE**  
Figure. SDS-PAGE

## ADDITIONAL INFORMATION

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Product Categories/Family for HMGB1 protein | Infection immunity; Eukaryotic proteins/EP |
|---------------------------------------------|--------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 926657659                      |
| NCBI GeneID                      | 15289                          |
| NCBI Accession #                 | NP_001300823.1                 |
| NCBI GenBank Nucleotide #        | NM_001313894.1                 |
| UniProt Accession #              | P63158; P07155; P27109; P27428 |
| Molecular Weight                 | 24,894 Da                      |
| NCBI Official Full Name          | high mobility group protein B1 |
| NCBI Official Synonym Full Names | high mobility group box 1      |
| NCBI Official Symbol             | Hmgb1                          |
| NCBI Official Synonym Symbols    | p30; Hmg1; HMG-1; SBP-1        |
| NCBI Protein Information         | high mobility group protein B1 |
| UniProt Protein Name             | High mobility group protein B1 |
| UniProt Gene Name                | <b>Hmgb1</b>                   |
| UniProt Synonym Gene Names       | Hmg-1; Hmg1; HMG-1             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/293f-cells-protein/high-mobility-group-protein-1-hmgb1/150589>