

Biotinylated Recombinant Human HMGB1 Protein (Primary Amine Labeling)

Catalog No.: RP00455B **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 3146 | P09429-1 |

Tags

C-His

Synonyms

HMGB1; HMG1; HMG3; SBP-1; HMG-1

Product Information

| Source | Purification |
|--------------|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 26 kDa | 32-36 kDa |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

High-mobility group box 1 (HMGB1) is a ubiquitous nuclear protein that promotes inflammation when released extracellularly after cellular activation, stress, damage or death. HMGB1 operates as one of the most intriguing molecules in inflammatory disorders via recently elucidated signal and molecular transport mechanisms. Treatments based on antagonists specifically targeting extracellular HMGB1 have generated encouraging results in a wide number of experimental models of infectious and sterile inflammation.

Basic Information

Description

Biotinylated Recombinant Human HMGB1 Protein (Primary Amine Labeling) is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu215) of Human HMGB1 (Primary Amine Labeling) (Accession #P09429-1) fused with a C-His tag at the C-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

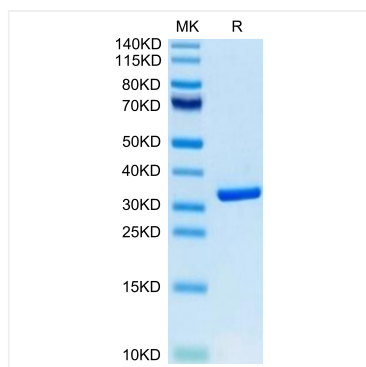
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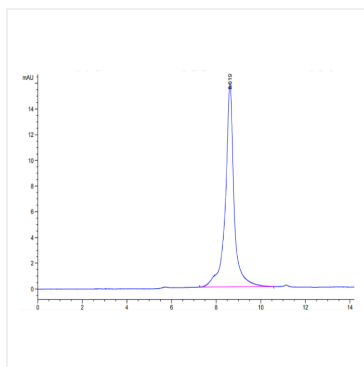
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Validation Data



Biotinylated Recombinant Human HMGB1 Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human HMGB1 is greater than 95% as determined by SEC-HPLC.