Biotinylated Recombinant Human HMGB1 Protein (Primary Amine Labeling)

Catalog No.: RP00455B

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Sequence Information

Species
Human

Gene ID
3146

Swiss Prot
P09429-1

Tags
C-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
26 kDa

Observed MW
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 stablizer (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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

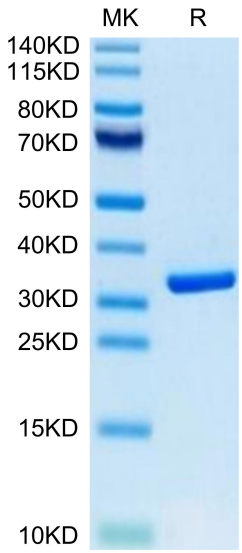
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

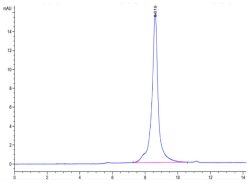
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Validation Data



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.