Recombinant Human HMGB1/HMG-1 Protein

Catalog No.: RP00515 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3146	P09429

Tags
C-6×His

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

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

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

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

High mobility group protein B1 is a member of the HMGB family consisting of three members, HMGB1, HMGB2and HMGB3.It Contains 2 HMG box DNA-binding domains entitled box A and box B and It is a highly negative-charged C terminus. As a nuclear protein, HMGB1 stabilizes nucleosomes and allows bending of DNA thatfacilitates gene transcription which is essential for individual survival. Meanwhile, it is revealed that HMGB1can also act as a cytokine extracellularlly and regulates monocyte, T cell, dendritic cell activities in inflammatoryresponses.

Basic Information

Description
Recombinant Human HMGB1/HMG-1 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Gly2-Glu215) of human HMGB1/HMG-1 (Accession #P09429) fused with a 6×His tag at the C-terminus.

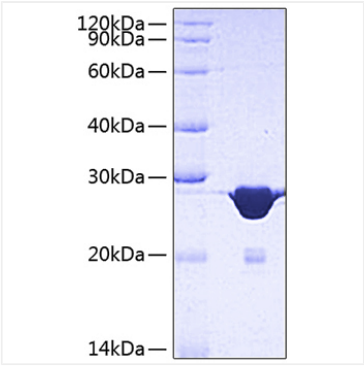
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
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.

Contact

www.abclonal.com

Validation Data



Recombinant Human HMGB1/HMG-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.