Product Name: Recombinant Human HMGB1 (N-teminal)
Catalog #: PEH0798

Summary

Name	HMGB1/High mobility group protein B1/HMG-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human High Mobility Group Protein B1 is produced by our E.coli expression system and the target gene encoding Met1-Phe89 is expressed.
Accession #	P09429
Host	E.coli
Species	Human
Predicted Molecular Mass	10.4 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 50mM HEPES, 500mM NaCl, 0.5mMDTT, pH 7.9 .
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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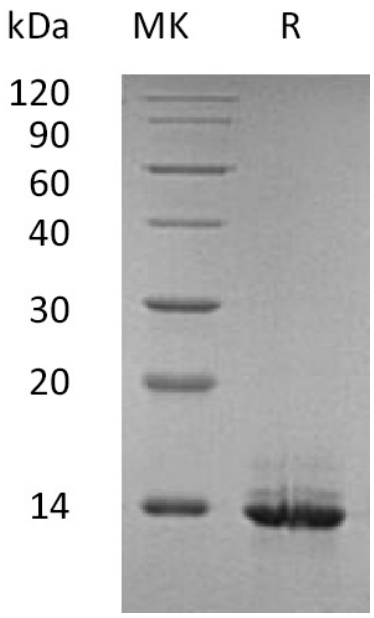

Alternative Names

High Mobility Group Protein B1; High Mobility Group Protein 1; HMG-1; HMGB1; HMG1

Background

High mobility group protein B1 is a member of the HMGB family consisting of three members, HMGB1, HMGB2 and 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 that facilitates gene transcription which is essential for individual survival. Meanwhile, it is revealed that HMGB1 can also act as a cytokine extracellularlly and regulates monocyte, T cell, dendritic cell activities in inflammatory responses.

Note

For Research Use Only , Not for Diagnostic Use.