PRODUCT INFORMATION

Target	HMGB1
Synonyms	HMG1; HMG3; HMG-1; SBP-1
Description	Recombinant human HMGB1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P09429
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	HMGB1(Met1-Glu215) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 25.7 kDa after removal of the signal peptide. The apparent molecular mass of HMGB1-His is approximately 15-35 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015]
Usage	Research use only
Conjugate	Unconjugated

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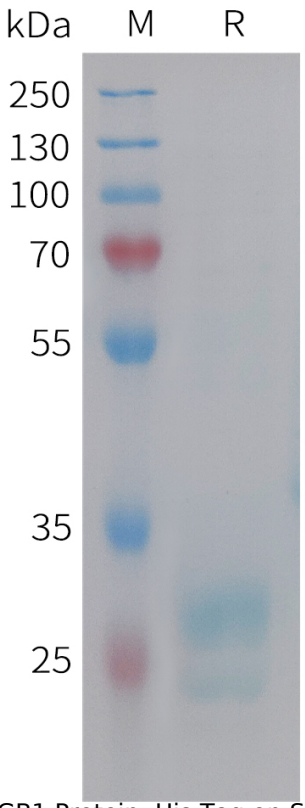


Figure 1. Human HMGB1 Protein, His Tag on SDS-PAGE under reducing condition.

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