Recombinant Mouse Hmgb1 Protein, His-tagged

Cat. No. Hmgb1-966M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hmgb1 Protein (Met1-Glu215) with His tag was expressed in 293F.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu215
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.3 kDa; Accurate Molecular Mass: 32/33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

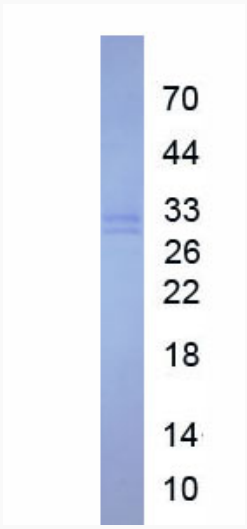
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Hmgb1 high mobility group box 1 [Mus musculus (house mouse)]
Official Symbol	Hmgb1
Synonyms	HMGB1; high mobility group box 1; high mobility group protein B1; high mobility group protein 1; DEF; p30; Hmg1; HMG-1; SBP-1; amphoterin; MGC103168; MGC103169; MGC117896; MGC117897;
Gene ID	15289
mRNA Refseq	NM_010439
Protein Refseq	NP_034569
UniProt ID	P63158

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