

Recombinant Rat Hmgb3 Protein, His-tagged

Cat. No. Hmgb3-1627R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Hmgb3 Protein (Ser14-Ala176) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser14-Ala176
Description	Predicted to enable DNA binding activity, bending; RNA binding activity; and four-way junction DNA binding activity. Predicted to be involved in DNA geometric change and regulation of transcription by RNA polymerase II. Predicted to act upstream of or within negative regulation of B cell differentiation and negative regulation of myeloid cell differentiation. Predicted to be located in nucleus. Human ortholog(s) of this gene implicated in syndromic microphthalmia 13. Orthologous to human HMGB3 (high mobility group box 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.2 kDa Accurate Molecular Mass: 26 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by 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	Hmgb3 high mobility group box 3 [Rattus norvegicus (Norway rat)]
Official Symbol	Hmgb3
Synonyms	HMGB3; high mobility group box 3; RGD1564407;
Gene ID	305373
mRNA Refseq	NM_001173341
Protein Refseq	NP_001166812
UniProt ID	B0BN99

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