

## Recombinant Rat Hmgb3 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Hmgb3 Protein (Ser14-Ala176) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser14-Ala176
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 22.2 kDa Accurate Molecular Mass: 26 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

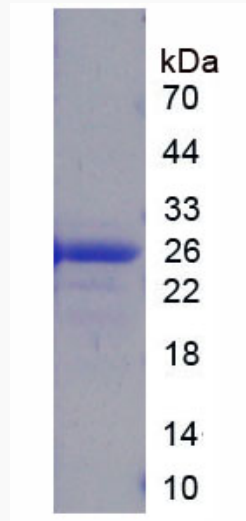
## GENE INFORMATION

<b>Gene Name</b>	Hmgb3 high mobility group box 3 [ <i>Rattus norvegicus</i> (Norway rat) ]
<b>Official Symbol</b>	Hmgb3
<b>Synonyms</b>	HMGB3; high mobility group box 3; RGD1564407;
<b>Gene ID</b>	305373
<b>mRNA Refseq</b>	NM_001173341
<b>Protein Refseq</b>	NP_001166812
<b>UniProt ID</b>	B0BN99

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA