

Active Recombinant Rat Hmgb1 protein

Cat. No. Hmgb1-18R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Hmgb1 consisted of 215 amino acid residues was expressed in E. coli.
Species	Rat
Source	E.coli
Description	heparin binding protein that facilitates neurite outgrowth.
Form	50 mM HEPES buffer pH 7.9, 500 mM NaCl, 0.5 mM DTT.
Bio-activity	This preparation has low cytokine activity, but is fully active as a DNA binding protein or as an antigen.
Molecular Mass	Has a calculated molecular mass of approximately 24.8 kDa. It migrates at a position of approximately 30 kD in SDS-PAGE gels, possibly because of the unusual number of positively charged amino acids it contains.
AA Sequence	MGKGDPPKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKA LKEKYEKDIA AYRAKGPDA AKKGVVKA EK SKKKKEEEDD EEEDEDEEEE EEEEDEDEEEE DDDDE
Purity	The purified protein is >95% homogeneous (electrophoresis and mass spectrometry).

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Storage We advise to keep the product frozen at -20 centigrade.

GENE INFORMATION

Gene Name [Hmgb1 high mobility group box 1 \[Rattus norvegicus \]](#)

Official Symbol [Hmgb1](#)

Synonyms Hmg1; Ac2-008; high mobility group protein B1; HMG-1; amphoterin; heparin-binding protein p30; high mobility group 1; high mobility group protein 1

Gene ID [25459](#)

mRNA Refseq [NM_012963](#)

Protein Refseq [NP_037095](#)

MIM

UniProt ID [P63159](#)

Chromosome Location 12p11

Pathway Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem

Function 5S rRNA binding; DNA binding; DNA binding, bending

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