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	MGKGDPKKPR GKMSSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAAK LKEKYEKDIA AYRAKGKPDA AKKGVVKAEK SKKKKEEEDD EEDEEDEEEE EEEEDEDEEE 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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