

Active Recombinant Mouse Hmgb1 protein, His-tagged

Cat. No. Hmgb1-2628M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hmgb1(Met1-Glu215) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-215 a.a.
Form	Sterile liquid; 20 mM Tris-HCl, pH 8.0, 0.2 M NaCl, 1 mM DTT. 0.22 um filtered.
Bio-activity	The ED50 of this protein, as measured by mouse TNF alpha induction in RAW264.7 cells, is 3-25 ug/mL in the presence of 10 ug/mL Polymyxin B. This corresponds to a specific activity of 3,300-40 Units/mg.
Molecular Mass	Has a predicted molecular mass of 27.6 kDa.
Endotoxin	Less than 0.01 ng/ug cytokine as determined by the LAL assay.
Purity	> 98%, as determined by SDS-PAGE
Storage	Store at less than or equal to -70 centigrade.
Concentration	0.5 mg/mL

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GENE INFORMATION

Gene Name	Hmgb1 high mobility group box 1 [Mus musculus]
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
MIM	
UniProt ID	P63158
Chromosome Location	5 G3; 5 89.18 Cm
Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of DNA fragmentation factor, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Base excision repair, organism-specific biosystem;
Function	5S rRNA binding; DNA binding; DNA binding, bending; RAGE receptor binding; bent DNA binding; binding; calcium-dependent protein kinase regulator activity; crossed

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form four-way junction DNA binding; cytokine activity; cytokine activity; double-stranded DNA binding; four-way junction DNA binding; glycolipid binding; heparin binding; open form four-way junction DNA binding; peptide binding;

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