

Recombinant Human HMGB3, His-tagged

Cat. No. HMGB3-15882H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HMGB3 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-180aa
Description	HMGB3 belongs to the high mobility group (HMG) protein superfamily. Like HMG1 (MIM 163905) and HMG2 (MIM 163906), HMGB3 contains DNA-binding HMG box domains and is classified into the HMG box subfamily. Members of the HMG box subfamily are thought to play a fundamental role in DNA replication, nucleosome assembly and transcription.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	22.8kDa (203aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGDPK KPKGKMSAYA FFVQTCREEH KKNPEVPVN FAEFSKCKSE RWKTMSGKEK SKFDEMAKAD KVRDREMKD YGPAKGGKKK KDPNAPKRPP SGFFLFCSEF RPKIKSTNPG ISIGDVAKKL GEMWNNLNDS EKQPYITKAA KLKEYEKDV ADYKSKGKFD GAKGPAKVAR KKV

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HMGB3 high mobility group box 3 [Homo sapiens]
Official Symbol	HMGB3
Synonyms	HMGB3; high mobility group box 3; high mobility group (nonhistone chromosomal) protein 4 , high mobility group box 3 , HMG4; high mobility group protein B3; HMG2A; MGC90319; non histone chromosomal protein; high-mobility group box 3; high mobility group protein 4; high mobility group protein 2a; non-histone chromosomal protein; high-mobility group (nonhistone chromosomal) protein 4; HMG4; HMG-4; HMG-2a;
Gene ID	3149
mRNA Refseq	NM_005342
Protein Refseq	NP_005333
MIM	300193
UniProt ID	O15347

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Chromosome Location	Xq28
Function	DNA binding, bending; double-stranded DNA binding;

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