Recombinant Human HMGB3, His-tagged

Cat. No. HMGB3-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human High Mobility Group Protein B3/HMGB3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala2-Glu200) of Human HMGB3 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	2-200 a.a.
Description	High Mobility Group Protein B3 (HMGB3) belongs to the HMGB family. Members of the HMG box subfamily are thought to be have an important role in DNA replication, nucleosome assembly and transcription. HMGB3 binds preferentiallly single-stranded DNA and unwinds double stranded DNA. HMGB3 consists of 200 amino acids and is localized to the cell nucleus. It contains two HMG box DNA-binding domain. HMGB3 binds preferentially single-stranded DNA and unwinds double stranded DNA.
AA Sequence	MAKGDPKKPKGKMSAYAFFVQTCREEHKKKNPEVPVNFAEFSKKCSERWKTMSGK EKSKFDEMAK ADKVRYDREMKDYGPAKGGKKKKDPNAPKRPPSGFFLFCSEFRPK IKSTNPGISIGDVAKKLGEM WNNLNDSEKQPYITKAAKLKEKYEKDVADYKSKGKFD GAKGPAKVARKKVEEEDEEEEEEEEEE EEEDEVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).

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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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

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