

Recombinant Human HMGB4, His-tagged

Cat. No. HMGB4-106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human High Mobility Group Protein B4/HMGB4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Ser186) of Human HMGB4 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-186 a.a.
Description	High Mobility Group Protein B4 (HMGB4) is a member of the HMGB family. HMGB4 localizes to the nucleus and contains two HMG box DNA-binding domains. HMGB4 associates with chromatin. In contrast to HMGB1, HMGB4 acts as a potent transcriptional repressor. During spermatogenesis, HMGB4 is present in the euchromatin of late pachytene spermatocytes and haploid round spermatids, whereas stronger expression is observed during the elongation phase, where it localizes to the basal pole of the nucleus in a manner mutually exclusive with H1FNT (H1T2) localized at the apical pole.
AA Sequence	MGKEIQLKPKANVSSYVHFLNLYRNKFKEQQPSTYVGFKEFSRKCSEKWRSISKHE KAKYEALAK LDKARYQEEMMNYVGKRKKRRKRDPQAPRRPPSSFLLFCQDHYAQL KREPNWSVVQVAKATGKM WSTATDLEKHPYEQRVALLRAKYFEELELYRKQCNA RKKYRMSARNRCRGKRVRQSVDHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name	HMGB4 high mobility group box 4 [Homo sapiens]
Official Symbol	HMGB4
Synonyms	HMGB4; high mobility group box 4; high mobility group protein B4; FLJ40388; HMG2 like; dJ1007G16.5; MGC88128;
Gene ID	127540
mRNA Refseq	NM_145205
Protein Refseq	NP_660206
UniProt ID	Q8WW32
Chromosome Location	1p35.1
Function	DNA binding;

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