

Recombinant Full Length Human HMGB3 Protein, GST-tagged

Cat. No. HMGB3-3645HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HMGB3 full-length ORF (NP_005333.2, 1 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	200 amino acids
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 (Wilke et al., 1997 [PubMed 9370291]; Nemeth et al., 2006 [PubMed 16945912]).[supplied by OMIM
Molecular Mass	49.4 kDa
AA Sequence	MAKGDPPKPKGKMSAYAFFVQTCREEHKKKNPEVPVNFAEFSKKCSERWKTMSGK EKSKFDEMAKADKVRDREMKDYGPAKGGKKKKDPNAPKRPPSGFFLFCSEFRPKI KSTNPGISIGDVAKKLGEMWNNLNDSEKQPYITKAAKLKEYEKDVADYKSKGKFDG AKGPAKVARKKVEEEDEEEEEEEEEEEEEEEEEDE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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