

Recombinant Full Length Human HMGB1 Protein, C-Flag-tagged

Cat. No. HMGB1-700HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HMGB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.7 kDa
AA Sequence	MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSA KEKGFEDMAKADKAR YEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYR PKIKGEHPGLSIGDVAKKLGEMWNNTAADD KQPYEKKAACLKEKYEKDIAAYRAKG KPDAAKKGVVKAESKSKKKKEEEDEEEDDEEEDDEEEDDEEEDDEEEDDEE DDDDETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways	Base excision repair
Full Length	Full L.

GENE INFORMATION

Gene Name	HMGB1 high mobility group box 1 [Homo sapiens (human)]
Official Symbol	HMGB1
Synonyms	HMG1; HMG3; HMG-1; SBP-1
Gene ID	3146
mRNA Refseq	NM_002128.7
Protein Refseq	NP_002119.1

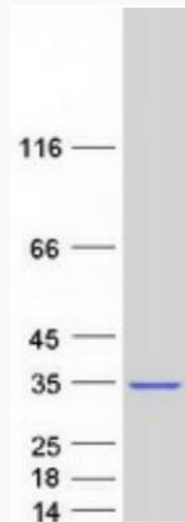
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MIM 163905

UniProt ID P09429



Coomassie blue staining of purified HMGB1 protein.

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