

Product datasheet for PH305918

HMG1 (HMGB1) (NM_002128) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGB1 MS Standard C13 and N15-labeled recombinant protein (NP_002119)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205918
Predicted MW:	24.9 kDa
Protein Sequence:	>RC205918 protein sequence Red=Cloning site Green=Tags(s) MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGFEDMAKADKAR YEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADD KQPYEKKAALKKEKYEKIDIAAYRAKGKPDAAKGGVKAESKSKKKEEEEEDEEDEEEEEDEEDEDEE DDDDE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002119</u>
RefSeq Size:	3428
RefSeq ORF:	645
Synonyms:	HMG-1; HMG1; HMG3; SBP-1
Locus ID:	3146
UniProt ID:	<u>P09429</u> , <u>A0A024RDR0</u> , <u>Q5T7C3</u>



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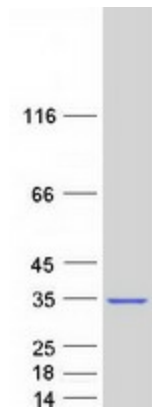
Cytogenetics: 13q12.3

Summary: 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. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Base excision repair

Product images:



Coomassie blue staining of purified HMGB1 protein (Cat# [TP305918]). The protein was produced from HEK293T cells transfected with HMGB1 cDNA clone (Cat# [RC205918]) using MegaTran 2.0 (Cat# [TT210002]).