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Product datasheet for PH300750

HMGB2 (NM_002129) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGB2 MS Standard C13 and N15-labeled recombinant protein (NP_002120)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200750
Predicted MW:	24 kDa
Protein Sequence:	>RC200750 protein sequence Red=Cloning site Green=Tags(s) MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFEDMAKSDKAR YDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKD KQPYEQKAAKLKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEEEEDEDEEEEDEDEE 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:	NP_002120
RefSeq Size:	1527
RefSeq ORF:	627
Synonyms:	HMG2
Locus ID:	3148
UniProt ID:	P26583

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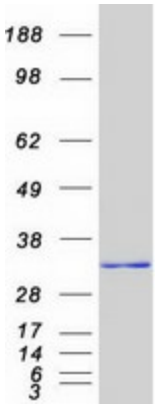
Cytogenetics: 4q34.1

Summary: This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified HMGB2 protein (Cat# [TP300750]). The protein was produced from HEK293T cells transfected with HMGB2 cDNA clone (Cat# [RC200750]) using MegaTran 2.0 (Cat# [TT210002]).