

Product datasheet for PH304972

HMGA1 (NM_145903) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGA1 MS Standard C13 and N15-labeled recombinant protein (NP_665910)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204972
Predicted MW:	10.7 kDa
Protein Sequence:	>RC204972 protein sequence Red =Cloning site Green =Tags(s) MSESSSKSSQPLASKQEKDGTEKRGRGRPRKQPPKEPSEVPTPKRPRGRPKGSKNKGAATRKTTPGR KPRGRPKKLEKEEEEGISQESSEEEQ 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_665910</u>
RefSeq Size:	1884
RefSeq ORF:	288
Synonyms:	HMG-R; HMGA1A; HMG1Y
Locus ID:	3159
UniProt ID:	<u>P17096</u> , <u>Q5T6U8</u>
Cytogenetics:	6p21.31



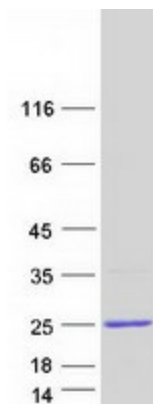
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Summary:

This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. [provided by RefSeq, Jan 2016]

Protein Families:

Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

Product images:

Coomassie blue staining of purified HMGA1 protein (Cat# [TP304972]). The protein was produced from HEK293T cells transfected with HMGA1 cDNA clone (Cat# [RC204972]) using MegaTran 2.0 (Cat# [TT210002]).