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Product datasheet for TP313109L

HMGA1 (NM_145902) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human high mobility group AT-hook 1 (HMGA1), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213109 representing NM_145902 Red=Cloning site Green=Tags(s) MSESSSKSSQPLASKQEKDGTEKRGRGRPRKQPPKEPSEVPTPKRPRGRPKGSKNKGAAKTRKTTTTPGR KPRGRPKKLEKEEEEGISQESSEEEQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	10.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_665909
Locus ID:	3159
UniProt ID:	P17096, Q5T6U8
RefSeq Size:	1843

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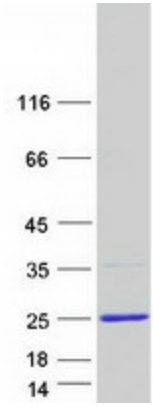
Cytogenetics:	6p21.31
RefSeq ORF:	288
Synonyms:	HMG-R; HMGA1A; HMGIY
Summary:	This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially 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# [TP313109]). The protein was produced from HEK293T cells transfected with HMGA1 cDNA clone (Cat# [RC213109]) using MegaTran 2.0 (Cat# [TT210002]).