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Product datasheet for PH314681

HMGA2 (NM_003484) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGA2 MS Standard C13 and N15-labeled recombinant protein (NP_003475)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214681
Predicted MW:	11.3 kDa
Protein Sequence:	>RC214681 representing NM_003484 Red=Cloning site Green=Tags(s) MSARGEGAGQPSTSAQGQPAAPAPQKRGRGRPRKQQQEPTGEPSPKRPRGRPKGSKNKSPSKAAQKKAEA TGEKRPRGRPRKWDNLLPRTSSKKKTSLGNSTKRSH 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_003475
RefSeq Size:	1539
RefSeq ORF:	318
Synonyms:	BABL; HMGI-C; HMGIC; LIPO; SRS5; STQTL9
Locus ID:	8091
UniProt ID:	P52926
Cytogenetics:	12q14.3

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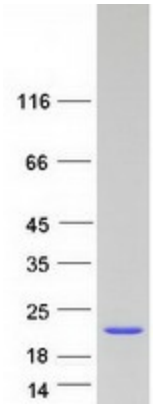
Summary: This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified HMGA2 protein (Cat# [TP314681]). The protein was produced from HEK293T cells transfected with HMGA2 cDNA clone (Cat# [RC214681]) using MegaTran 2.0 (Cat# [TT210002]).