

Recombinant Human HMGA2 protein, His/GST-tagged

Cat. No. HMGA2-178H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGA2 protein (Met1-Asp109) was fused to His/GST-tag at N-terminus and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	109
Description	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.
Form	Freeze-dried powder. Buffer formulation: 20mM Tris, 150mM NaCl, pH 8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Molecular Mass	40 kDa as determined by SDS-PAGE reducing conditions.
AA Sequence	MSARGEGAGQPSTSAQQQPAAPAPQKRGRGRPRKQQQEPTGEPSPKRPRGRP

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	GSKNKSPSKAAQKKAEMATGEKRPRGRPRKWPQQVVQKKPAQEETEETSSQESAE ED
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HMGA2
Official Symbol	HMGA2
Synonyms	BABL; LIPO; HMGIC; HMGI-C; STQTL9
Gene ID	8091

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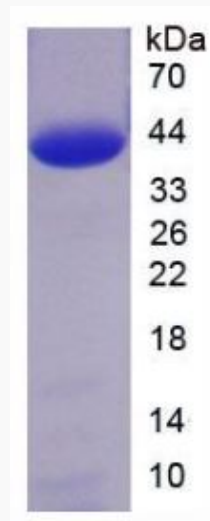
mRNA Refseq [NM_003483.4](#)

Protein Refseq [NP_003474.1](#)

MIM [600698](#)

UniProt ID [P52926](#)

**SDS-PAGE of
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