

Recombinant human HMGA2 protein

Catalog Number: ATGP2107

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-109aa

UniProt No.

P52926

NCBI Accession No.

NP_003474.1

Alternative Names

High mobility group AT-hook 2, BABL, HMGI-C, HMGIC, LIPO, STQTL9

PRODUCT SPECIFICATION

Molecular Weight

12.8 kDa (117aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 250mM Imidazole

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

HMGA2 is 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 enhancosome. 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. Recombinant human HMGA2 protein, fused to

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His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

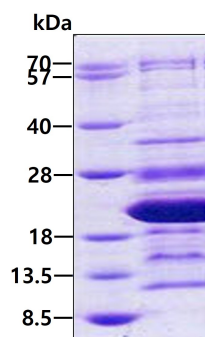
MSARGEGAGQ PSTSAQGQPA APAPQKRGRG RPRKQQQEPT GEPSPKRPRG RPKGSKNKSP SKAAQKKA EA TGEKRPRGRP
RKWPQQVVQK KPAQEETEET SSQESAEED<L EHHHHHH>

General References

D'Angelo,D., et al. (2012) J. Clin. Endocrinol. Metab. 97 (7), E1128-E1138 Helmke,B.M., et al. (2012) Anticancer Res. 32 (5), 1589-1593

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.