
Product Data Sheet

Product Name: HMGA2 Human
 Cat. No.: GP23656
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	High Mobility Group AT-Hook 2; HMGIC; High-Mobility Group(Nonhistone Chromosomal) Protein Isoform I-C; High Mobility Group AT-Hook Protein; BABL; HMGI-C; LIPO; STQTL9; High Mobility Group Protein HMGI-C; HMGA2.		
Amino Acid Sequence	MSARGEGAGQ PSTSAQGQPA APAPQKRGRG RPRKQQQEPT GEPSPKRPRG RPKGSKNKSP SKAAQKKA EA TGEKRPRGRP RKWPQQVVQK KPAQEETEET SSQESAEEDL EHHHHHH.		
Formulation	HMGA2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT and 250mM Imidazole.		

Introduction

High Mobility Group AT-Hook 2 (HMGA2) is a member of the non-histone chromosomal high mobility group (HMG) family. HMG proteins perform as architectural factors and are necessary components of the enhancosome. This protein contains structural DNA-binding domains and may function as a transcriptional regulating factor. In addition, identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma proposes a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is implicated in diet-induced obesity. Among the Diseases associated with HMGA2 are diffuse lipomatosis, and 12q14 microdeletion syndrome.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

HMGA2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 117 amino acids (1-109 a.a) and having a molecular mass of 12.8kDa.

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