

32-3971: HMGA2 Recombinant Protein

Alternative Name : 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.

Description

Source : Escherichia Coli. 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. HMGA2 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : HMGA2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT and 250mM Imidazole.
Storage condition : 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.
Amino Acid : MSARGEGAGQ PSTSAQGQPA APAPQKRGRG RPRKQQQEPT GEPSPKRPRG RPKGSKNKSP SKAAQKKAEA TGEKRPRGRP RKWPQQVVQK KPAQEETEET SSQESAEDL EHHHHHH.

