

32-3970: HMGA1 Recombinant Protein

Alternative Name : High mobility group protein HMG-I/HMG-Y, HMG-I(Y), High mobility group AT-hook protein 1, High mobility group protein A1, High mobility group protein R, HMGA1, HMGIY, HMG-R, HMGA1A.

Description

Source : Escherichia Coli. HMGA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 115 amino acids (1-107 a.a.) and having a molecular mass of 12.7kDa (Molecular weight on SDS-PAGE will appear higher). HMGA1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. High mobility group protein HMG-I/HMG-Y (HMGA1) belongs to the non-histone chromosomal high mobility group protein (HMG) family. HMGA1 is composed of a highly conserved AT-hook DNA-binding domain which mediates binding to AT-rich sequences in the minor groove of chromosomal DNA. HMGA1 functions as an architectural chromatin-binding transcription factor modifying the conformation of DNA by modulating nuclear protein-DNA complexes. Furthermore, HMGA1 is involved in numerous cellular processes including growth regulation, viral induction of beta-IFN gene and regulation of inducible gene transcription.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	HMGA1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl.
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 :	MSESSSKSSQ PLASKQEKDG TEKRGRGRPR KQPPVSPGTA LVGSQKEPSE VPTPKRPRGR PKGSKNKGAA KTRKTTTTTPG RKPRGRPKKL EKEEEEGISQ ESSEEEQLEH HHHHH.

