9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HMGA1 Human

High Mobility Group AT-Hook 1 Human Recombinant
RCP1031

Product Overview

Name	HMGA1 Human
Description	
High Mobility Group AT-Hook 1 Human Recombinant	
Accession (Primary)	P17096
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
HMGA1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl.	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MSESSSKSSQ PLASKQEKDG TEKRGRGRPR KQPPVSPGTA LVGSQKEPSE VPTPKRPRGR PKGSKNKGAA	

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KTRKTTTTPG RKPRGRPKKL EKEEEEGISQ ESSEEEQ LEH HHHHH .

Precautions

HMGA1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P17096)