
Product Data Sheet

Product Name: HMGN1 Human

Cat. No.: GP23661

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HMG14; GC104230; High-Mobility Group Nucleosome Binding Domain 1.		
Amino Acid Sequence	MPKRKVSSAE GAAKEEPKRR SARLSAKPPA KVEAKPKKAA AKDKSSDKKV QTKGKRGAKG KQAEVANQET KEDLPAENGE TKTEESPASD EAGEKEAKSD LEHHHHHH.		
Formulation	HMGN1 protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl, 0.1mM PMSF & 20% glycerol.		

Introduction

HMGN1 binds to the inner side of the nucleosomal DNA therefore changing the interaction between the DNA and the histone octamer. HMGN1 participates in the development which maintains transcribable genes in an exceptional chromatin conformation. HMGN1 inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2.

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.

Background

HMGN1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 108 amino acids (1-100 a.a.) and having a molecular mass of 11.7 kDa. HMGN1 protein is fused to an 8 amino acid His-Tag at C-terminus and purified by standard chromatography.

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

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