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HMGN1 Human

Catalog #:PRPS-828

For research use only.

Description: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.

Synonyms:HMG14, GC104230, High-Mobility Group Nucleosome Binding Domain 1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MPKRKVSSAE GAAKEEPKRR SARLSAKPPA KVEAKPKKAA AKDKSSDKKV QTKGKRGAKG KQAEVANQET KEDLPAENGE TKTEESPASD EAGEKEAKSD LEHHHHHH.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
HMGN1 protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl, 0.1mM PMSF & 20% glycerol.

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.

Usage:
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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.

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