

Product datasheet

Recombinant Human HMGN1 protein ab112301

1 Image

Overview

Product name	Recombinant Human HMGN1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	P05114
Species	Human
Sequence	MPKRKVSSTEGAAKEEPKRRSARLSAKPPAKVEAKPKKAAAKDKSSDKKV QTKGKRGAKGKQAEVANQETKEDLPAENGETKTEESPASDEAGEKEAKSD
Molecular weight	37 kDa
Amino acids	1 to 100
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab112301** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	useful for Antibody Production and Protein Array
Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	useful for Antibody Production and Protein Array

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 8.00

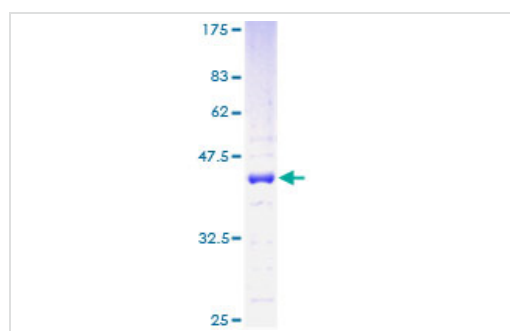
Constituents: 0.79% Tris HCl, 0.31% Glutathione

Note: Glutathione is reduced

General Info

Function	Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in an unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2.
Sequence similarities	Belongs to the HMGN family.
Post-translational modifications	Phosphorylation on Ser-21 and Ser-25 weakens binding to nucleosomes and increases the rate of H3 phosphorylation (By similarity). Phosphorylation favors cytoplasmic localization.
Cellular localization	Nucleus. Cytoplasm. Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus.

Images



ab112301 analysed on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human HMGN1 protein (ab112301)

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