

# Recombinant Human HMGN1, His-tagged

**Cat. No.** HMGN1-2050H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human HMGN1 protein fused to His-tag was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 11.7 kDa (108aa).                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>              | SRY (sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential to maintain self-renewal of undifferentiated embryonic stem cells. This Protein is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT, 0.1mM PMSF.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                   | > 95% by SDS - PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>            | 0.5 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequences Of Amino Acids</b> | MPKRKVSSAE GAAKEEPKRR SARLSAKPPA KVEAKPKKAA AKDKSSDKKV<br>QTKGKRGAKG KQAEVANQET KEDLPAENGE TKTEESPASDEAGEKEAKSD<br>LEHHHHHH.                                                                                                                                                                                                                                                                                                                                                                                   |

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**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

HMGN1 high-mobility group nucleosome binding domain 1 [ Homo sapiens ]

**Synonyms**

high-mobility group nucleosome binding domain 1; HMG14; FLJ27265; FLJ31471; MGC104230; MGC117425; HMGN1; non-histone chromosomal protein HMG-14; nonhistone chromosomal protein HMG-14; high-mobility group (nonhistone chromosomal) protein 14; high mobility group nucleosome-binding domain-containing protein 1; High-mobility group nucleosome-binding domain-containing protein 1

**Gene ID**

3150

**mRNA Refseq**

NM\_004965

**Protein Refseq**

NP\_004956

**MIM**

163920

**UniProt ID**

P05114

**Chromosome Location**

21q22.3; 21q22.2

**Function**

DNA binding; RNA polymerase II transcription factor activity; positive transcription elongation factor activity

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