

# Recombinant Human MKI67 protein, His-tagged

**Cat. No.** MKI67-983H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MKI67(Met2815~Pro2928) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Met2815~Pro2928                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 18.3kDa; Accurate Molecular Mass: 15/26kDa(Analysis of differences refer to the manual).                                                                                                       |
| <b>AA Sequence</b>      | MTDDKT TKIPCKSSPE LEDTATSSKR RPRTRAQKVE VKEELLAVGK<br>LTQTSGETH TDKEPVGEGK GTKAFKQPAK RKLDAEDVIG SRRQPRAPKE<br>KAQPLEDLAS FQELSQTP                                                                                       |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                             |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                    |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.                                                                                                                                                                                                                                                       |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                              |

## GENE INFORMATION

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MKI67 antigen identified by monoclonal antibody Ki-67 [ Homo sapiens ]              |
| <b>Official Symbol</b> | MKI67                                                                               |
| <b>Synonyms</b>        | MKI67; antigen identified; antigen KI-67; proliferation-related Ki-67 antigen; KIA; |
| <b>Gene ID</b>         | 4288                                                                                |
| <b>mRNA Refseq</b>     | NM_001145966                                                                        |
| <b>Protein Refseq</b>  | NP_001139438                                                                        |
| <b>MIM</b>             | 176741                                                                              |
| <b>UniProt ID</b>      | P46013                                                                              |

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|--------------------------------|-------------------------------------------------------------------------------|
| <b>Chromosome<br/>Location</b> | 10q26.2                                                                       |
| <b>Function</b>                | ATP binding; nucleotide binding; protein C-terminus binding; protein binding; |