Recombinant Human MKI67 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MKI67(Met2815~Pro2928) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met2815~Pro2928
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	Predicted Molecular Mass: 18.3kDa; Accurate Molecular Mass: 15/26kDa(Analysis of differences refer to the manual).
AA Sequence	MTDDKT TKIPCKSSPE LEDTATSSKR RPRTRAQKVE VKEELLAVGK LTQTSGETTH TDKEPVGEGK GTKAFKQPAK RKLDAEDVIG SRRQPRAPKE KAQPLEDLAS FQELSQTP
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 97%

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Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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Chromosome Location	10q26.2
Function	ATP binding; nucleotide binding; protein C-terminus binding; protein binding;

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