

Recombinant Rat Mki67 Protein, His-tagged

Cat. No. Mki67-1781R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mki67 Protein (Thr2969-Val3119) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr2969-Val3119
Description	Predicted to enable protein C-terminus binding activity. Involved in several processes, including DNA metabolic process; animal organ regeneration; and cellular response to heat. Located in nucleus. Used to study high grade glioma; leiomyoma; and prostate carcinoma. Biomarker of colon cancer; kidney disease; mucositis; type 2 diabetes mellitus; and urinary bladder cancer. Human ortholog(s) of this gene implicated in Crohn's disease; breast cancer; human immunodeficiency virus infectious disease; and pancreatic cancer. Orthologous to human MKI67 (marker of proliferation Ki-67).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.7 kDa Accurate Molecular Mass: 26 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mki67 marker of proliferation Ki-67 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Mki67
Synonyms	Mki67; marker of proliferation Ki-67; proliferation marker protein Ki-67; antigen KI-67; antigen identified by monoclonal antibody Ki-67
Gene ID	291234
mRNA Refseq	NM_001271366
Protein Refseq	NP_001258295
UniProt ID	D4A0Y6

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