

For Research Use Only

Recombinant Mouse MKI67 protein (rFc Tag)



Catalog Number: Eg1548

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
N-rFc

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse MKI67 protein Asp1816-Pro2163 (Accession# E9PVX6-1) with a rabbit IgG Fc tag at the N-terminus

GeneID:

17345

Accession:

E9PVX6-1

Predicted Molecular Mass:

68.5 kDa

SDS-PAGE:

85-100 kDa, reducing (R) condition

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

MKI67 gene encodes a nuclear protein, antigen Ki-67, which was identified by monoclonal antibody Ki-67. Expression of this antigen occurs preferentially during late G1, S, G2 and M phases of the cell cycle, while in cells in G0 phase the antigen cannot be detected. The antigen Ki-67 is a human nuclear protein the expression of which is strictly associated with cell proliferation and which is widely used in routine pathology as a "proliferation marker" to measure the growth fraction of cells in human tumors. During mitosis, Ki-67 is essential for formation of the perichromosomal layer (PCL), a ribonucleoprotein sheath coating the condensed chromosomes. Ki-67 acts to prevent aggregation of mitotic chromosomes.

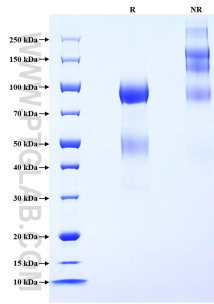
References

- 1.Schlüter C, et al. (1993) J Cell Biol. 123(3):513-22.
- 2.Sun X, Kaufman PD. (2018) Chromosoma. 127(2):175-186.

Synonyms

Ki 67, Ki67, Mki67, Ki-67, Proliferation related Ki 67 antigen

Selected Validation Data



Purity of Recombinant Mouse MKI67 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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