

Recombinant Mouse Midkine/MDK Protein

Catalog No.: RP02865 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17242	P12025

Tags

No tag

Synonyms

MK; ARAP; MDK; MEK; MK1; MKARAP; NEGF2

Product Information

Source	Purification
<i>E. coli</i>	> 98% by SDS-PAGE.

Calculated MW	Observed MW
13.08 kDa	10-15 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Midkine is a heparin-binding growth factor, originally reported as the product of a retinoic acid-responsive gene during embryogenesis, but currently viewed as a multifaceted factor contributing to both normal tissue homeostasis and disease development. Midkine is abnormally expressed at high levels in various human malignancies and acts as a mediator for the acquisition of critical hallmarks of cancer, including cell growth, survival, metastasis, migration, and angiogenesis.

Basic Information

Description

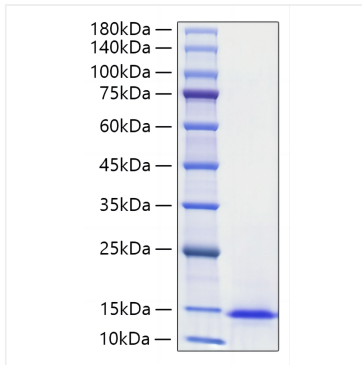
Recombinant Mouse Midkine/MDK Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Lys23-Asp140) of mouse Midkine (Accession #NP_001012335.1) fused with no additional amino acid.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse Midkine Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kD.