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# Recombinant Mouse Midkine 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 |
|---|---|
| *E. coli* | > 98% by SDS-PAGE. |

**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 stablizer (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.

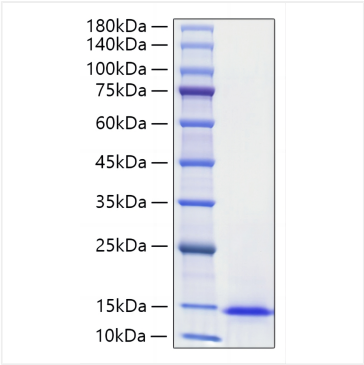
## Basic Information

**Description**
Recombinant Mouse Midkine 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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.