Recombinant Mouse Midkine/MDK Protein

Catalog No.: RP02865

Sequence Information

Species
Mouse

Gene ID
17242

Swiss Prot
P12025

Tags
No tag

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

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
13.08 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

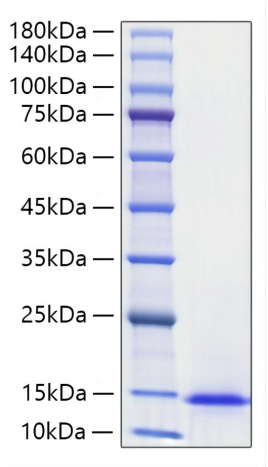
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Mouse Midkine/MDK Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.