

# **Recombinant Human Midkine/MDK Protein**

Catalog No.: RP03515 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 4192 P21741

Tags NO-Tag

**Synonyms** 

MDK; MK1; NEGF2; Midkine; MK; Amphiregulin-associated protein; ARAP;

## **Product Information**

SourcePurificationBaculovirus-Insect≥ 95 % asCellsdetermined by SDS-PAGE.

## Calculated MW Observed MW

13.4 kDa 15-25 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from sterile 50mM PBS, 1 M NaCl, pH 6.8 Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

## Reconstitution

## **Contact**

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## **Background**

Midkine (MK or MDK) also known as neurite growth-promoting factor 2 (NEGF2) is a basic heparin-binding growth factor of low molecular weight, and forms a family with pleiotrophin. Midkine is a retinoic acid-responsive, heparin-binding growth factor expressed in various cell types during embryogenesis. It promotes angiogenesis, cell growth, and cell migration. Midkine is also expressed in several carcinomas, suggesting that it may play a role in tumorigenesis, perhaps through its effects on angiogenesis.

## **Basic Information**

### Description

Recombinant Human Midkine/MDK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met 1-Asp 143) of Human Midkine/MDK (Accession #P21741) fused with No tag.

### **Bio-Activity**

## **Shipping**

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

## 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.

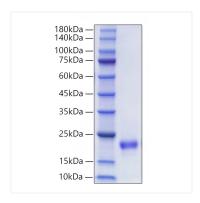
Avoid repeated freeze/thaw cycles.

## **Operational Notes**

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

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# **Validation Data**



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