

**RMCM084**

Recombinant Midkine, Mouse , AF



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5ug;20ug;100ug;500ug;

**Synonym/Alternative name(s) :** MK, NEGF-2, Mek

**Activity :** N/A

**Protein Description:**

Midkine (MK or MDK) also known as neurite growth-promoting factor 2 (NEGF2) is a protein that in humans is encoded by the MDK gene. 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. Midkine exhibited increased expression in the breast carcinomas but showed much lower expression in the normal breast tissue.

**Protein Accession :** P12025.2

**Gene ID :** 17242

**Expression Sequence:**

MKKKKEVKKKGSECEWWTWGPCTPSSKDCGMGFREGTCGAQTQRVHCKVPCNWKKEFGADCKYKFESWGACDGTGKARQGLK KARYNAQCQETIRVTKPCTSKTKSKTKAKKGGKGD with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Mouse

**Reactivity :** Mouse

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 14.02 kDa

**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant mouse Midkine