RMCM084

Recombinant Midkine, Mouse, AF



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

Activity: N/A

Protein Description:

☐ 5ug;20ug;100ug;500ug;

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:

MKKKEKVKKGSECSEWTWGPCTPSSKDCGMGFREGTCGAQTQRVHCKVPCNWKKEFGADCKYKFESWGACDGSTGTKARQGTLK KARYNAQCQETIRVTKPCTSKTKSKTKAKKGKGKD 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.

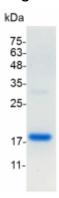
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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