

Recombinant Mouse Mdk Protein, Myc/DDK-tagged

Cat. No. Mdk-4005M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length midkine (Mdk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a secreted growth factor that belongs to the pleiotrophin/midkine heparin-binding protein family and functions in a variety of biological processes. The encoded cytokine promotes the growth, differentiation, survival and migration of several target cells including leucocytes involved in inflammation. This protein plays a role in the formation of scar tissue and intraperitoneal adhesions, and promotes neurite outgrowth and neuron survival. The protein encoded by this gene is associated with obesity and inhibition of insulin signaling in fat cells. A pseudogene of this gene is present on chromosome 11. Alternative splicing results in multiple transcript variants.
Molecular Mass	15.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mdk midkine [*Mus musculus* (house mouse)]

Official Symbol Mdk

Synonyms MDK; midkine; retinoic acid-induced differentiation factor; MK; Mek

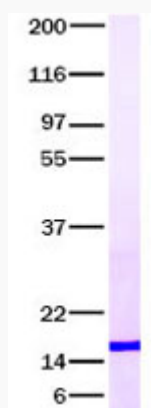
Gene ID 17242

mRNA Refseq NM_010784

Protein Refseq NP_034914

UniProt ID P12025

SDS-PAGE



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