GMP Recombinant Mouse Mdk Protein, His-Tagged

Cat. No. Mdk-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Mdk Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
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.
Form	Lyophilized
AA Sequence	MKKKEKVKKGSECSEWTWGPCTPSSKDCGMGFREGTCGAQTQRVHCKVPCNWK KEFGADCKYKFESWGACDGSTGTKARQGTLKKARYNAQCQETIRVTKPCTSKTKS KTKAKKGKGKD with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.

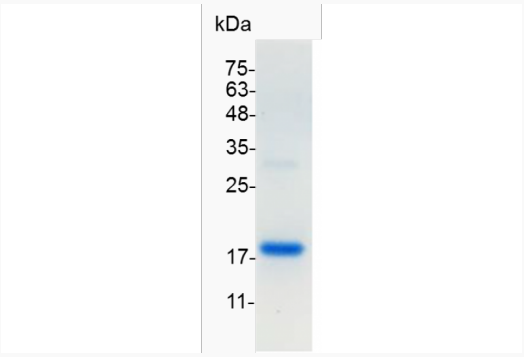
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	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.

GENE INFORMATION

Gene Name	Mdk midkine [Mus musculus (house mouse)]
Official Symbol	Mdk
Synonyms	MK; Mek
Gene ID	17242
mRNA Refseq	NM_001012335.2
Protein Refseq	NP_001012335.1
UniProt ID	P12025

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