Recombinant Mouse Mdk Protein (Gly31-Val119), C-His tagged, Animal-free, Carrier-free

Cat. No. Mdk-67M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mdk Protein (Gly31-Val119) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gly31-Val119
Description	Midkine, also known as neurite growth-promoting factor 2 (NEGF2) is a member of a small family of secreted Growth Factorss, furthermore high expression in embryo, and limb E14.5. Mouse midkine shares 87% sequence identity with human midkine. Midkine is a 13.5 kDa protein containing 140 amino acids, which promotes angiogenesis, cell growth, migration, and gene expression of different cell types probably via a multiprotein receptor complex consisting of several molecules.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 14.02 kDa. The protein migrates about 17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.

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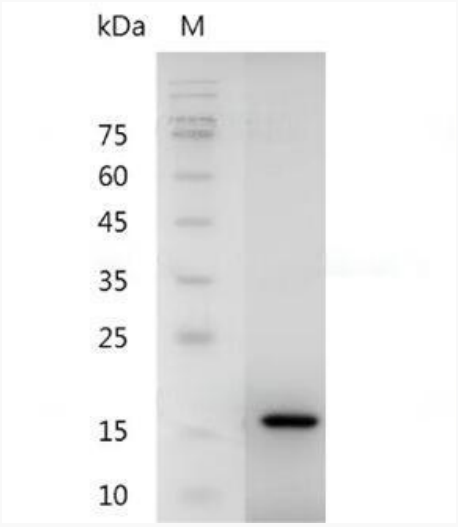
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

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_001012335
Protein Refseq	NP_001012335
UniProt ID	P12025

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SDS-PAGE analysis of recombinant mouse Midkine.



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