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Datasheet for ABIN7454189 Midkine Protein (AA 21-143) (Biotin,His-Avi Tag)



Overview

Quantity:	100 µg
Target:	Midkine (MDK)
Protein Characteristics:	AA 21-143
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Midkine protein is labelled with Biotin, His-Avi Tag.

Product Details

Purpose:	Biotinylated Human Midkine Protein
Sequence:	Val21-Asp143
Characteristics:	Recombinant Biotinylated Human Midkine Protein is expressed from E.coli with His tag and Avi Tag at the N-Terminus.It contains Val21-Asp143.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	Midkine (MDK)
Alternative Name:	Midkine (MDK Products)

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Target Details	
Background:	Midkine is a heparin-binding growth factor, originally reported as the product of a retinoic acid- responsive gene during embryogenesis, but currently viewed as a multifaceted factor contributing to both normal tissue homeostasis and disease development. Midkine is abnormally expressed at high levels in various human malignancies and acts as a mediator for the acquisition of critical hallmarks of cancer, including cell growth, survival, metastasis, migration, and angiogenesis.
Molecular Weight:	16.46 kDa same as Tris-Bis PAGE result.
Pathways:	RTK Signaling, M Phase, Skeletal Muscle Fiber Development
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months