


Rev03  
 Update: Aug,08,2025

**DATASHEET**

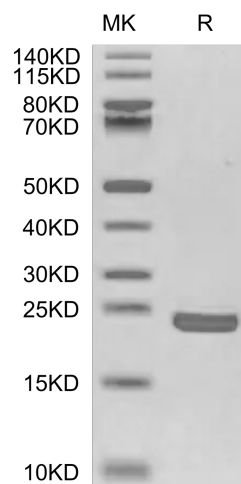
# Midkine[Biotin], His & Avi, Human

Cat. No.: Z04560

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	 <p>Avi His Midkine (Val21-Asp143)      Accession # P21741-1</p> <p>N-term C-term</p>
<b>Conjugate</b>	Biotin
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	E.coli
<b>Theoretical Molecular Weight</b>	16.46 kDa
<b>Apparent Molecular Weight</b>	The protein has a predicted MW of 16.46 kDa same as Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Examples



Midkine[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

## Background

**Target 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.

**Synonyms :** MK; ARAP; MDK; MEK; MK1; MKARAP; NRG2

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China