

# Human Midkine Protein

Cat. No. MID-HE401

## Description

<b>Source</b>	Recombinant Human Midkine Protein is expressed from E.coli with His tag and Avi Tag at the N-Terminus. It contains Val21-Asp143.
<b>Accession</b>	P21741-1
<b>Molecular Weight</b>	The protein has a predicted MW of 16.46 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

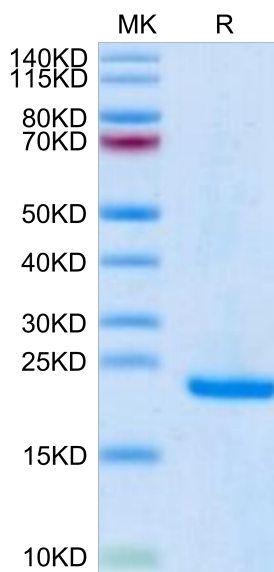
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

## Assay Data

### Bis-Tris PAGE



Human Midkine on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.