

**Midkine, human recombinant protein**  
NEGF-2, Neurite Growth-Promoting Factor 2, MK, Neurite outgrowth-promoting protein,  
Midgestation and  
Catalog # PBV10274r

## Specification

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### Midkine, human recombinant protein - Product info

Primary Accession [P21741](#)  
Calculated MW **13.4 kDa KDa**

### Midkine, human recombinant protein - Additional Info

Gene ID	<b>4192</b>
Gene Symbol	<b>MK</b>
Gene Source	<b>Human</b>
Source	<b>E. coli</b>
Assay&Purity	<b>SDS-PAGE; ≥98%</b>
Assay2&Purity2	<b>HPLC; ≥98%</b>
Recombinant	<b>Yes</b>
Results	<b>0.1-10 ng/ml</b>
<b>Target/Specificity</b>	
Midkine	

### Application Notes

Reconstitute in H<sub>2</sub>O to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### Format

Lyophilized protein

### Storage

-20°C; Lyophilized from 0.4X PBS, pH7.4

### Midkine, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Midkine, human recombinant protein - Images

### Midkine, human recombinant protein - Background

Human Midkine (MK) is a new member of the heparin-binding neurotrophic factor family. MK and PTN (Pleiotrophin) are structural homologs, and are highly conserved among species. MK plays important roles in development and carcinogenesis and has several important biological effects, including promotion of neurite extension and neuronal survival. Recombinant midkine is a 13.4 kDa protein, comprising of 123 amino acid residues.