

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



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## DATASHEET

### Recombinant rat Midkine protein

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#### Product overview

<b>Name</b>	Recombinant rat Midkine protein
<b>Cat No</b>	HB7979
<b>Species of origin</b>	rat
<b>Alternative names</b>	Recombinant Rat Midkine, Midkine, MK, Mdk.
<b>Purity</b>	>95%
<b>Description</b>	Rat Midkine recombinant protein

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#### Biological Data

<b>Application notes</b>	The biological activity was determined using a chemotaxis bioassay using human neutrophils at a concentration range of 10-100 ng/ml
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#### Solubility & Handling

<b>Solubility overview</b>	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 100µg/ml, which can then be diluted to make a working solution
<b>Handling</b>	<ul style="list-style-type: none"><li>• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>• Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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#### Chemical Data

<b>Source</b>	E. Coli.
<b>Appearance</b>	White lyophilized powder (sterile filtered & freeze-dried)
<b>Formulation</b>	Lyophilized from a 0.2µm filtered solution in PBS (pH 7.4)

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#### References

##### Laminin is associated with the neurite outgrowth-promoting factors" found in conditioned media"

Lander AD *et al* (1985) Proc Natl Acad Sci U S A 82(7)

**PubMedID** [3856891](#)

##### Astroglial neurotrophic and neurite-promoting factors

Muller HW *et al* (1995) Pharmacol Ther 65(1)

**PubMedID** [7716180](#)

##### Midkine: a promising molecule for drug development to treat diseases of the central nervous system

Muramatsu T (2011) Curr Pharm Des 17(5)

