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## DATASHEET

Recombinant human Midkine (His Tag) protein

### Product overview

<b>Name</b>	Recombinant human Midkine (His Tag) protein
<b>Cat No</b>	HB9981
<b>Species of origin</b>	human
<b>Alternative names</b>	Recombinant Human Midkine, His Tag, NEGF-2, Neurite Growth-Promoting Factor 2, MK, Neurite outgrowth-promoting protein, Midgestation and kidney protein, Amphiregulin-associated protein, ARAP, Neurite outgrowth-promoting factor 2, FLJ27379, Midkine, MK1, NEGF2.
<b>Purity</b>	>95%
<b>Description</b>	His Tag human Midkine recombinant protein

### Solubility & Handling

<b>Solubility overview</b>	Add 0.2 ml of PBS pH 7.2 and allow the lyophilized material to dissolve
<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

### Chemical Data

<b>Source</b>	E. Coli.
<b>Appearance</b>	White lyophilized powder (filtered & freeze-dried)
<b>Formulation</b>	Lyophilized from a solution (0.5mg/ml) in phosphate buffer (50mM, pH7.2) and NaCl (100mM)

### 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)

**PubMedID** [21375488](#)

