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DATASHEET

Recombinant rat Midkine protein

Product overview

Name Recombinant rat Midkine protein

Cat No HB7979 Species of origin rat

Alternative names Recombinant Rat Midkine, Midkine, MK, Mdk.

Purity >95%

Description Rat Midkine recombinant protein

Biological Data

Application notes The biological activity was determined using a chemotaxis bioassay using human neutrophils at a

concentration range of 10-100 ng/ml

Solubility & Handling

Solubility overview To make a stock solution, reconstitute in sterile $18M\Omega cm$ water at a concentration $> 100 \mu g/ml$, which

can then be diluted to make a working solution

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.

• 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.

• Freeze-thaw cycles should be prevented.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

UniProt IDQ9R1S9SourceE. Coli.

Appearance White lyophilized powder (sterile filtered & freeze-dried) **Formulation** Lyophilized from a 0.2µm filtered solution in PBS (pH 7.4)

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)

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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