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DATASHEET

Recombinant mouse Midkine protein

Product overview

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Recombinant mouse Midkine protein |
| Cat No | HB6469 |
| Species of origin | mouse |
| Alternative names | Recombinant Mouse Midkine, 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. |
| Purity | >95% |
| Description | Mouse Midkine recombinant protein |

Biological Data

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application notes | Fully biologically active when compared to standard. Determined by its ability to chemoattract human neutrophils using a concentration range of 10-100 ng/ml corresponding to a specific activity of 10,000-100,000IU/mg. |
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Solubility & Handling

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| Solubility overview | 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 |
| Handling | <ul style="list-style-type: none">• 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. |
| Important | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

Chemical Data

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|--------------------|------------------------------------------------------------|
| UniProt ID | P12025 |
| Source | E. 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)

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

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

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