

Murine Midkine

Synonyms: 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.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1698.960.005		
20 µg	1698.960.020		
1 mg	1698.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Midkine Murine Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 120 amino acids and having a molecular mass of 13.3kDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

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.

Reconstitution

It is recommended to reconstitute the lyophilized Midkine Mouse in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Midkine Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Midkine Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

VAKKKEKVKK GSECSEWTWG PCTPSSKDCG MGFREGTCGA QTQRVHCKVP CNWKKEFGAD CKYKFESWGA
 CDGSTGTKAR QGTLKKARYN AQCQETIRVT KPCTSKTKSK TKAKKGKGD

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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