

Midkine Mouse Recombinant

Item Number	rAP-2686
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.
Description	Midkine Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 120 amino acids and having a molecular mass of 13.3kDa. The Midkine Mouse is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P12025
Amino Acid Sequence	VAKKKEKVKK GSECSEWTWG PCTPSSKDCG MGFREGTCGA QTQRVHCKVP CNWKKEFGAD CKYK-FESWGA CDGSTGTKAR QGTLKKARYN AQCQETIRVT KPCTSKTKSK TKAKKGGKGD
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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 prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by HPLC and SDS-PAGE.
Application	
Solubility	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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**