

Human Midkine Recombinant Protein



RPPB0771

Product Information Protein Information

Product SKU:

RPPB0771

Accession:

P21741

Host:

Escherichia Coli.

Protein description:

Midkine Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 123 amino acids and having a molecular mass of 13.4kDa. The Midkine is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized Midkine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Midkine should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

VAKKKDKVKK GPGSECAEW AWGPCTPSSK DCGVGFREGT CGAQTQRIRC RVPCNWKKEF GADCKYKFEN WGACDGGTGT KVRQGLKKA RYNAQCQETI RVTKPCTPKT KAKAKAKGK GKD.

Biological Activity:

Determined by its ability to chemoattract human neutrophils using a concentration range of 0.1-10 ng/ml corresponding to a specific activity of 100,000-10,000,000IU/mg.