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32-1606: Midkine, His Recombinant Protein

Alternative Name :	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

Source : Escherichia Coli. Midkine Human Recombinant is manufactured with N-terminal fusion of His Tag, having a molecular mass of 14.6 kDa protein and containing 121 amino acid residues of the Midkine human and 10 additional amino acid residues - His Tag . Midkine (MK) is the product of a retinoic acid responsive gene, MK, and is a member of a family of heparin binding factors. It contains 121 amino acid residues including 10 conserved cysteine residues, all of which appear to be disulphide linked.Midkine is expressed during embryogenesis, showing an expression pattern that suggests functions in neurogenesis, cell migration, secondary organogenetic induction, and mesoderm-epithelial interaction.The widespread downregulation of MK in the adult human is reverted in a number of cancers, in which polypeptides are able to act as both transforming growth factors and promoters of angiogenesis.Midkine (MK), induces chemotaxis of human neutrophils and was found to trigger mobilization of intracellular calcium of these cells.Midkine induces histamine release from rat peritoneal mast cells with a rapid response in a dose dependent manner.Midkine is also a potent stimulator of collagen and glycosaminoglycan synthesis.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	Lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.1M NaCl, pH 7.2.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHHM KKKDKVKKGG PGSECAEWAW GPCTPSSKDC GVGFREGTCG AQTQRIRCRV PCNWKKEFGA DCKYKFENWG ACDGGTGTKV RQGTLKKARY NAQCQETIRV TKPCTPKTKA KAKAKKGKGK D.

Application Note

Add 0.2 ml of PBS pH 7.2 and let the lyophilized pellet dissolve completely.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.