

Midkine, 21-143 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02971

3th Edition

Synonyms:MDK, MK, NRGF2

Description:Midkine, also known as Neurite Growth-promoting Factor 2, is a basic heparin-binding growth factor of low molecular weight, a member of the NRGF family whose founding member is pleiotrophin. This protein exhibits neurite outgrowth-promoting activity and may play a role in nervous system development and/or maintenance. Midkine is pleiotropic, capable of exerting activities such as cell proliferation, cell migration, angiogenesis and fibrinolysis.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1 M NaCl, 2mM DTT, and 20% Glycerol

Molecular Weight:15.7 kDa (144aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMVAKKKDKVKKGGPGSECAEWAWGPCTPSSKDCGVGFREGTCGAQTQRIRCR
VPCNWKKEFGADCKYKFENWGACDGGTGTKVRQGTLLKARYNAQCQETIRVTKPCTPKTKAKAKAKKGGKGD

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.