

Midkine, Human

v. 240801

Catalog number	C01152-5UG / C01152-20UG / C01152-100UG
Package	5 µg / 20 µg / 100 µg
Description	Midkine (MK or MDK) also known as neurite growth-promoting factor 2 (NEGF2) is a protein that in humans is encoded by the MDK gene. It promotes angiogenesis, cell growth, and cell migration. Midkine is also expressed in several carcinomas, suggesting that it may play a role in tumorigenesis, perhaps through its effects on angiogenesis. Midkine exhibited increased expression in the breast carcinomas but showed much lower expression in the normal breast tissue.
Source	<i>Escherichia coli</i>
Sequence	MVAKKKDKVKKGGPGSECAEWAWGPCTPSSKDCGVGFREGTCGAQTQRIRC RVPCNWKKEFGADCKYKFENWGACDGGTGTKVRQGTLKKARYNAQCQETIR VTKPCTPKTKAKAKKGGKGD with polyhistidine tag at the C-terminus
Endotoxin level	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis. >95% as determined by SEC-HPLC.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human Midkine

For research use only.