

Midkine Recombinant Protein | MDK recombinant protein

Midkine, 21-143aa, Human, His tag, E Coli

CATALOG # AAA11769	HOST E Coli	APPLICATIONS SDS-Page
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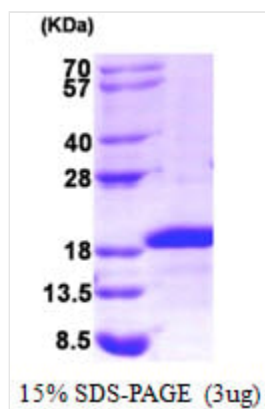
PRODUCT SYNONYMS

Midkine; 21-143aa; Human; His tag; E Coli; MDK; MK; NEGF2; midkine (neurite growth-promoting factor 2); FLJ27379; MDK recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1 M NaCl, 2mM DTT, and 20% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	21-143aa
Sequence	MGSSHHHHH SSGLVPRGSH MVAKKKDKVK KGGPGSECAE WAWGPCTPSS KDCGVGFREG TCGAQTQRIR CRVPCNWKKE FGADCKYKFE NWGACDGGTG TKVRQGTLLK ARYNAQCQET IRVTKPCTPK TKAKAKAKKG KGKD
Sequence Length	143
Applicable Applications for MDK recombinant protein	SDS-PAGE
Tag	His-Tag
Endotoxin Level	< 1.0 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 2 to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for MDK recombinant protein	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. Recombinant human Midkine protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for MDK recombinant protein	Growth factors
References	Mashima T., et al. (2009). Oncogene. 28 (1):9-19. ; Jin Z., et al. (2008). Clin Cancer Res. 14 (16):5033-42.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505135
NCBI GeneID	4192
NCBI Accession #	NP_002382
NCBI GenBank Nucleotide #	NM_002391.4
UniProt Accession #	P21741; Q2LEK4; Q9UCC7
Molecular Weight	15.7 kDa (144aa), confirmed by MALDI-TOF.
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine
NCBI Official Symbol	MDK
NCBI Official Synonym Symbols	MK; ARAP; NRGF2
NCBI Protein Information	midkine
UniProt Protein Name	Midkine
UniProt Gene Name	MDK
UniProt Synonym Gene Names	MK1; NRGF2; MK; ARAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.