

MDK recombinant protein

Human MDK Protein, hFc Tag

CATALOG #
AAA47549

HOST
HEK293

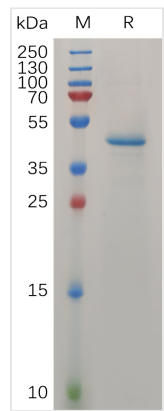
PRODUCT SYNONYMS

MDK; Human MDK Protein; hFc Tag; Midkine; MK; ARAP; Midgestation and kidney protein; Neurite outgrowth-promoting factor 2; Neurite outgrowth-promoting protein; MDK recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	≥95.0% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Concentration	0.95mg/mL (varies by lot)
Tag	C-Human Fc tag
Molecular Characterization	MDK(Val21-Asp143) hFc(Glu99-Ala330)
Molecular Weight Note	The protein has a predicted molecular mass of 39.6 kDa after removal of the signal peptide. The apparent molecular mass of MDK-hFc is approximately 35-55 kDa due to glycosylation.
Reconstitution	1: Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2: Dissolved lyophilized protein sample in sterile water based on the recommended volume 105.26ul. 3:After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Visual Inspection	Test: Lyophilization ; Specification: Dried white powder; Result: Pass Test: Vial Label ; Specification: Label aligned and complete ; Result: Pass Test: Bottle Sealing (Manual check) ; Specification: Sealed tight ; Result: Pass
Quantity	Test: Bradford Method ; Specification: ≥specified quantity ; Result: Pass
Other properties	Test: pH ; Specification: 7.4 ± 0.5 ; Result: Pass
Preparation and Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE
Figure 1. Human MDK Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for MDK recombinant protein	Recombinant human MDK protein with C-terminal human Fc tag This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]
Product Categories/Family for MDK recombinant protein	Bioactive Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	396080281
NCBI GeneID	4192
NCBI Accession #	NP_001257480.1
NCBI GenBank Nucleotide #	NM_001270551.1
UniProt Accession #	P21741; Q2LEK4; Q9UCC7
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine (neurite growth-promoting factor 2)
NCBI Official Symbol	MDK
NCBI Official Synonym Symbols	MK; ARAP; NRGF2
NCBI Protein Information	midkine; retinoic acid inducible factor; amphiregulin-associated protein; midgestation and kidney protein; neurite outgrowth-promoting factor 2
UniProt Protein Name	Midkine
UniProt Gene Name	MDK
UniProt Synonym Gene Names	MK1; NRGF2; MK; ARAP
UniProt Entry Name	MK_HUMAN

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.