PRODUCT INFORMATION

Target	MDK
Synonyms	Midkine;MK;ARAP;Midgestation and kidney protein;Neurite outgrowth-promoting factor 2;Neurite outgrowth-promoting protein
Description	Recombinant human MDK protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P21741
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	MDK(Val21-Asp143) hFc(Glu99-Ala330)
Molecular Weight	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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

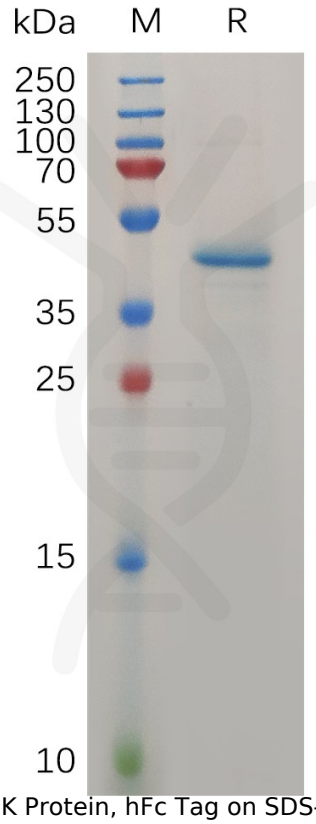


Figure 1. Human MDK Protein, hFc Tag on SDS-PAGE under reducing condition.

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