HUMAN MDK PROTEIN, HFC TAG

Cat.#: 11527

Product Name: Human MDK Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: Midkine;K;RAP;idgestation and kidney protein;eurite outgrowth-promoting factor 2;eurite outgrowth-promoting protein

Target: MDK

UNIPROT ID: P21741

Description: Recombinant human MDK protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: MDK(Val21-Asp143) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

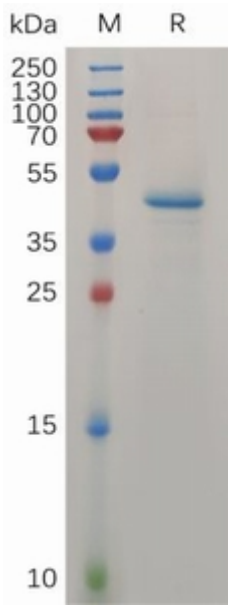

Figure 1. Human MDK Protein, hFc Tag on SDS-PAGE under reducing condition.