

HUMAN MFAP5 PROTEIN, HFC TAG**Cat.#:** 11582**Product Name:** Human MFAP5 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** MFAP-5;MP25;MAGP-2;MAGP2**Target:** MFAP5**UNIPROT ID:** Q13361**Description:** Recombinant human MFAP5 protein with C-terminal human Fc tag**Background:** This gene encodes a 25-kD microfibril-associated glycoprotein which is a component of microfibrils of the extracellular matrix. The encoded protein promotes attachment of cells to microfibrils via alpha-V-beta-3 integrin. Deficiency of this gene in mice results in neutropenia. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 43.4 kDa after removal of the signal peptide. The apparent molecular mass of MFAP5-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** MFAP5(Ile22-Leu173) 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.

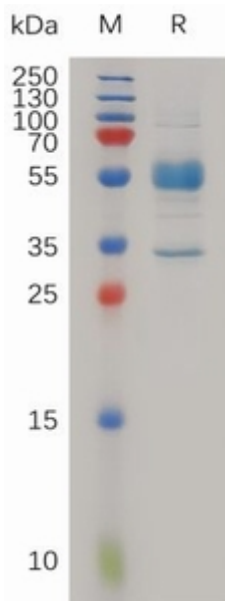


Figure 1. Human MFAP5 Protein, hFc Tag on SDS-PAGE under reducing condition.