

HUMAN FN1 PROTEIN, HIS TAG**Cat.#:** 11687**Product Name:** Human FN1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** FN;CIG**Target:** FN1**UNIPROT ID:** P02751**Description:** Recombinant human FN1 Protein with C-terminal 6xHis tag**Background:** This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined. [provided by RefSeq, Jan 2016]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 270.1 kDa after removal of the signal peptide.**Molecular Characterization:** FN1(Gln32-Glu2477) 6×His tag**Purity:** The purity of the protein is greater than 85% 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.

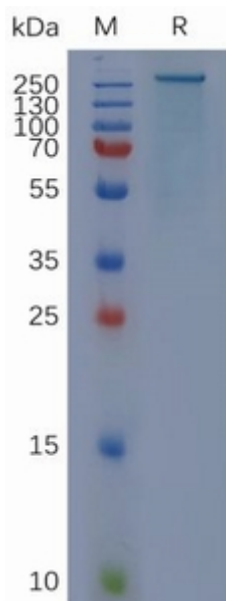


Figure 1. Human FN1, His Tag on SDS-PAGE under reducing condition.