

HUMAN TGFA PROTEIN, HFC TAG**Cat.#:** 11737**Product Name:** Human TGFA Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TGF- α ;ETGF;TGF type I**Target:** TGFA**UNIPROT ID:** P01135**Description:** Recombinant Human TGFA Protein with C-terminal human Fc tag**Background:** This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 34.1 kDa after removal of the signal peptide. The apparent molecular mass of TGFA-hFc is approximately 35–55 kDa due to glycosylation.**Molecular Characterization:** TGFA(Glu24-Gln98) 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.

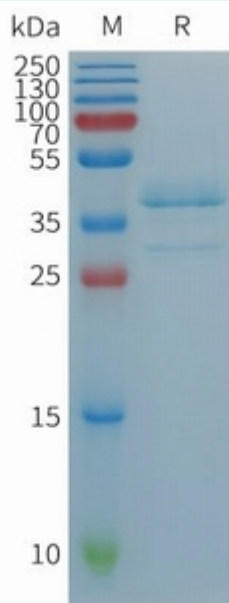


Figure 1. Human TGFA Protein, hFc Tag on SDS-PAGE under reducing condition.