

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.

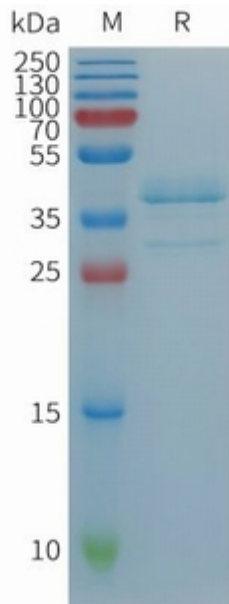


Figure 1. Human TGFA Protein, hFc Tag on SDS-PAGE under reducing condition.