

**HUMAN TNFRSF11A PROTEIN, HFC TAG****Cat.#:** 11631**Product Name:** Human TNFRSF11A Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Tumor necrosis factor receptor superfamily member 11A;ODFR;Receptor activator of NF-κB;CD265;RANK**Target:** TNFRSF11A**UNIPROT ID:** Q9Y6Q6**Description:** Recombinant human TNFRSF11A protein with C-terminal human Fc tag**Background:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-κappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 46.2 kDa after removal of the signal peptide. The apparent molecular mass of TNFRSF11A-hFc is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** TNFRSF11A(Ile30-Pro212) 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.

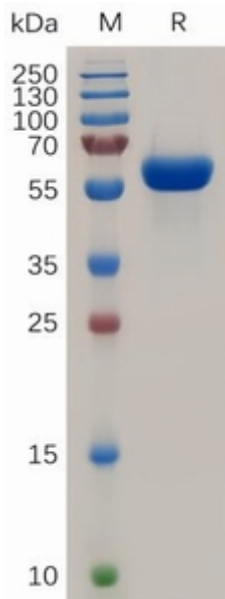


Figure 1. Human TNFRSF11A Protein, hFc Tag on SDS-PAGE under reducing condition.