

**HUMAN EREG PROTEIN, HFC TAG****Cat.#:** 11413**Product Name:** Human EREG Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Ep;EPR;ER**Target:** EREG**UNIPROT ID:** O14944**Description:** Recombinant Human EREG with C-terminal human Fc tag**Background:** This gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues. [provided by RefSeq, Jul 2015]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of EREG-hFc is approximately 35–55 kDa due to glycosylation.**Molecular Characterization:** EREG(Val63–Leu108) 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.

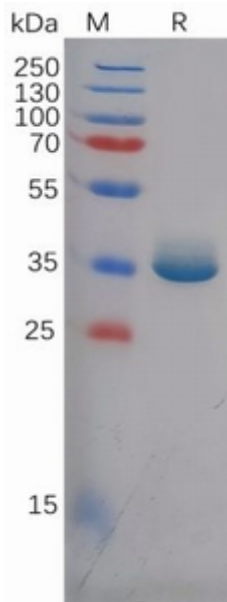


Figure 1. Human EREG Protein, hFc Tag on SDS-PAGE under reducing condition.