HUMAN AREG PROTEIN, HFC TAG

Cat.#: 11796

Product Name: Human AREG Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: AR;CRDGF;AREGB;SDGF

Target: AREG

UNIPROT ID: P15514

Description: Recombinant human AREG protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). The protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells, and it inhibits the growth of certain aggressive carcinoma cell lines. It also functions in mammary gland, oocyte and bone tissue development. This gene is associated with a psoriasis-like skin phenotype, and is also associated with other pathological disorders, including various types of cancers and inflammatory conditions. [provided by RefSeq, Apr 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 44.9 kDa after removal of the signal peptide. The apparent molecular mass of AREG-hFc is approximately 53-70 kDa due to glycosylation.

Molecular Characterization: AREG(Ser20-Lys187) 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

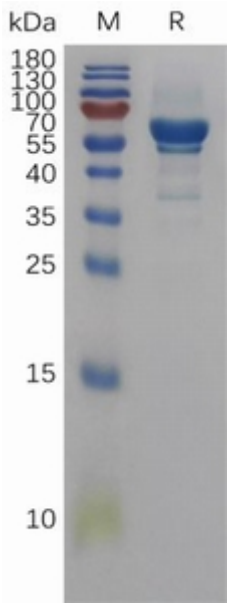

Figure 1. Human AREG Protein, hFc Tag on SDS-PAGE under reducing condition.