

PRODUCT INFORMATION

AREG Target

Synonyms AR;CRDGF;AREGB;SDGF

Recombinant human AREG protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P15514 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Reconstitution

AREG(Ser20-Lys187) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

44.9 kDa after removal of the signal peptide. The apparent molecular mass of AREG-hFc is

approximately 53-70 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 **Background** 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,

> Email: info@dimabio.com Website: www.dimabio.com

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Usage Research use only Conjugate Unconjugated



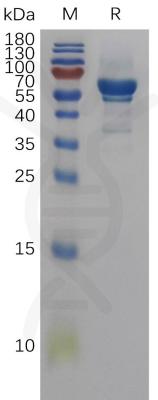


Figure 1. Human AREG Protein, hFc Tag on SDS-PAGE under reducing condition.

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