

Datasheet for ABIN7491191

Amphiregulin Protein (AREG) (AA 20-187) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Amphiregulin (AREG)
Protein Characteristics:	AA 20-187
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Amphiregulin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human AREG protein with C-terminal human Fc tag
Specificity:	AREG (Ser20-Lys187) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Amphiregulin (AREG)
Alternative Name:	AREG (AREG Products)
Background:	The protein encoded by this gene is a member of the epidermal growth factor family. It is an

Target Details

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]

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

UniProt: [P15514](#)

Pathways: [RTK Signaling, EGFR Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

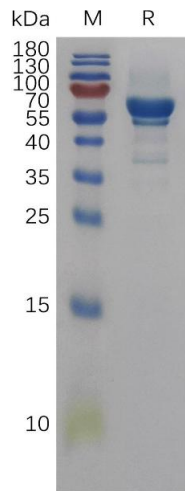
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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