

RP03528

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Recombinant Human Amphiregulin/AREG Protein

Catalog No.: RP03528

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	374	P15514

Tags

N-hFC

Synonyms

AREG; AREGB; SDGF

Product Information

Source

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Background

Human Amphiregulin/AREG is a member of the epidermal growth factor (EGF) family and is expressed in a plethora of cancers. Tumour growth and metastasis were decreased by AREG silencing in an orthotopic model of pancreatic cancer. AREG may play a critical role in cell migration, invasion, and EMT by activating the EGFR/ERK/NF-κB signalling pathway in pancreatic cancer cells.

Basic Information

Description

Recombinant Human Amphiregulin/AREG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser101-Lys187) of Human Amphiregulin/AREG (Accession # NP_001648.1) fused with hFC tag at the N-terminus.

Bio-Activity

Immobilized Human AREG, hFc Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Biotinylated Anti-AREG Antibody, hFc Tag with the EC50 of 32.5 ng/ml determined by ELISA.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

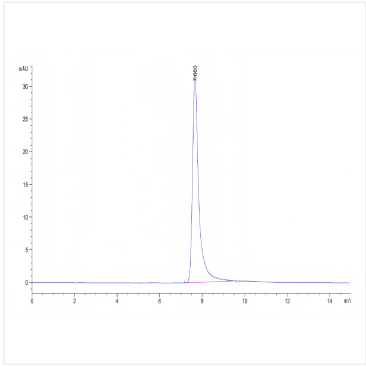
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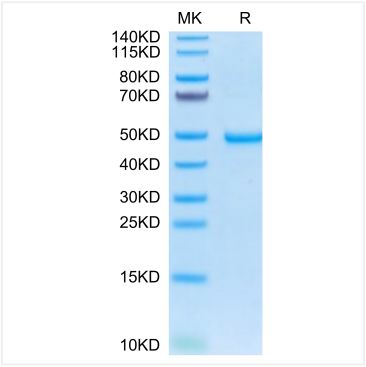
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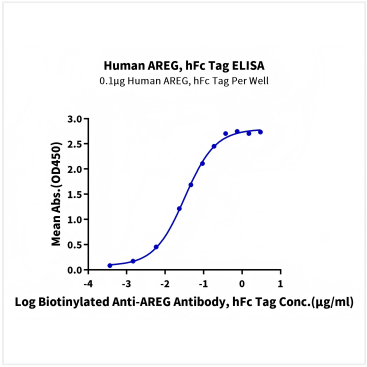
Validation Data



The purity of Recombinant Human Amphiregulin/AREG Protein is greater than 95% as determined by SEC-HPLC.



Recombinant Human Amphiregulin/AREG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human Amphiregulin/AREG Protein at 1µg/ml (100 µl/Well) on the plate. Dose response curve for Biotinylated Anti-AREG Antibody, hFc Tag with the EC50 of 32.5ng/ml determined by ELISA