

Catalog No.: RP03528 **Recombinant**

Species	Gene ID	Swiss Prot
Human	374	P15514

N-hFC

Synonyms:
AREG; AREGB; SDGF

Source HEK293 cells	Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
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Calculated MW	Observed MW
37.3 kDa	45-50 kDa


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

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

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

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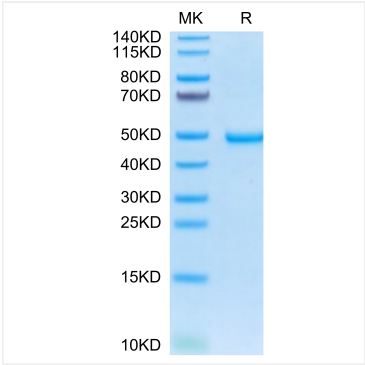
Human Amphiregulin/AREG is a member of the epidermal growth factor (EGF) family and is expressed in a plethora of cancers. Tumour growth and metastasis were decreased by AREG silencing in an orthotopic model of pancreatic cancer. AREG may play a critical role in cell migration, invasion, and EMT by activating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

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.

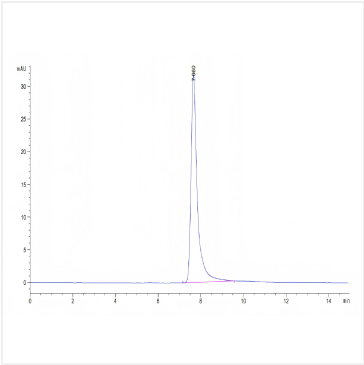
Immobilized Human AREG, hFc Tag at 1µg/ml (100 µl/Well) on the plate. Dose response curve for Biotinylated Anti-AREG Antibody, hFc Tag with the EC50 of 32.5ng/ml determined by ELISA .

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

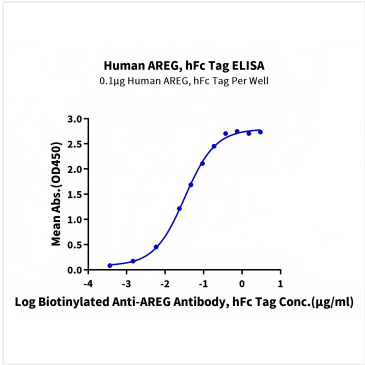
Validation Data



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



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



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