

# Human AREG Recombinant Protein



RPPB0066

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## Product Information    Protein Information

**Product SKU:**

RPPB0066

**Accession:**

P15514

**Host:**

Escherichia Coli.

**Protein description:**

Amphiregulin (AREG) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 98 amino acids and having a molecular mass of 11.3 KDa. The AREG is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Schwannoma-derived growth factor, Colorectum cell-derived growth factor, AR, CRDGF, SDGF, AREGB, MGC13647.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized AREG in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized AREG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution AREG should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

SVRVEQVVKP PKNKTESENT SDKPKRKKKG GKNKGNRRNR KKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLSK.

**Biological Activity:**

Determined by its ability to stimulate the proliferation of mouse Balb/c 3T3 cells. The expected ED50 for this effect is 5-10 ng/ml, corresponding to a specific activity of 100,000-200,000units/mg.