

Human Amphiregulin

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	3000.950.010		
50 µg	3000.950.050		
1 mg	3000.950.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

SVRVEQVVKP P QNKTESENT SDKPKRKKKG GKNKGNRRNR KKNPCNAEF QNFCIHGECK YIEHLEAVTC
 KCQQEYFGER CGEKSMKTHS MIDSSLSK

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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