

# **Recombinant Human Amphiregulin (Human Amphiregulin)**

### **Product Information**

Product Name	Cat#	Size
Recombinant Human Amphiregulin (Human Amphiregulin)	92517ES10	10µg
	92517ES60	100µg
	92517ES76	500µg

## **Product Description**

Amphiregulin is an EGF related growth factor that signals through the EGF/TGF- $\alpha$  receptor, and stimulates growth of keratinocytes, epithelial cells and some fibroblasts. Amphiregulin also inhibits the growth of certain carcinoma cell lines. Synthesized as a transmembrane protein, Amphiregulin's extracellular domain is proteolytically processed to release the mature protein. There are 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds essential for biological activity. Recombinant Human Amphiregulin is an 11.3 kDa glycoprotein consisting of 98 amino acid residues.

### **Product Properties**

SynonymsAR, AREG, Colorectum Cell-derived Growth Factor, CRDGFAccession915514Accession374GeneID374FourceE.coli-derived Human Amphiregulin protein, Val60-Leu108.Molecular WeightAproximately 11.3 kDa.A-A SequenceSVRVEQVVKP PQNKTESENT SDKPKRKKG GKNGKNRRNK KKKNPCNAEF QNFCHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLSKPagNonePhysical AppearameSterlie Filtered White Iyophilized (freeze-dried) powder.Physical AppearameFully biologically active when compared to standard. The EDs0 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is between 5-10 m/mL.PandotxinI.Ju Euper Jug of the protein by the LAL method.FormulationVercommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.PacenstituteReconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.1 ing/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further idiutions should be made in appropriate buffered solutions.			
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#### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

#### Cautions

- 1. Avoid repeated freeze-thaw cycles.
- 2. For your safety and health, please wear lab coats and disposable gloves for operation.

