

## 32-20005: Recombinant Human Amphiregulin(Discontinued)

**Alternative Name :** AR, AREG, Colorectum cell-derived growth factor (CRDGF)

### Description

**Source: E.coli**

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 Info

**Amount :** 10 µg / 50 µg

**Purification :** Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** SVRVEQVVKP PQNKTESNT SDKPKRKKKG GKNKGNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC  
KCQQEYFGER CGEKSMKTHS MIDSSLK

### Application Note

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.