Amphiregulin Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: AR, AREG, Colorectum cell-derived growth factor (CRDGF)

Cat. No.:

RBG10056010	(10 µg)
RBG10056050	(50 µg)
RBG10056100	(100 µg)

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.

Research topic

Immune Response, Infection and Inflammation, Neural tissue markers, Oncology

Amino Acid Sequence

SVRVEQVVKP PQNKTESENT SDKPKRKKKG GKNGKNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLSK

Source

E. coli

Purity

95%

Biological Activity

Determined by its ability to stimulate the proliferation of mouse Balb/c 3T3 cells. The expected ED_{50} for this effect is 5-10 ng/ml.

Storage, Stability/Shelf Life

-20°C

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