

Amphiregulin, Human recombinant protein
AR, AREG, Colorectum cell-derived growth factor (CRDGF)
Catalog # PBV10749r

Specification

Amphiregulin, Human recombinant protein - Product info

Primary Accession [P15514](#)
Calculated MW **11.3 kDa KDa**

Amphiregulin, Human recombinant protein - Additional Info

Gene ID	374
Gene Symbol	AREG
Other Names	
AR, AREG, Colorectum cell-derived growth factor (CRDGF)	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	SVRVEQVVKP PQNKTESENT SDKPKRKKKG GKNGKNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMTKHS MIDSSLSK

Target/Specificity
Amphiregulin

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 5 mM Sodium phosphate, pH 7.0.

Amphiregulin, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Amphiregulin, Human recombinant protein - Images

Amphiregulin, Human recombinant protein - Background

Amphiregulin is an EGF related growth factor that signals through the EGF/TGF- α 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 a 11.3 kDa glycoprotein consisting of 98 amino acid residues.

Amphiregulin, Human recombinant protein - References

Plowman G.D., et al. Mol. Cell. Biol. 10:1969-1981(1990).
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Shoyab M., et al. Science 243:1074-1076(1989).
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