

Overview

Synonyms	AR, AREG, Colorectum cell-derived growth factor (CRDGF)
Description	Amphiregulin is a member of the EGF family of cytokines, which comprises at least ten proteins including EGF, TGF- \pm , HB-EGF, Epiregulin, Tomoregulin, Neuregulins and the various heregulins. Through the EGF/TGF- \pm receptor, it 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.
Accession No	Q5U026
Species	Human
Source	HEK 293
Biological Activity	ED ₅₀ < 0.2 ng/ml, measured in a cell proliferation assay using 3T3 cells.
Sequence	SVRVEQVVKP P QNKTESENT SDKPKRKKKG GKNGKNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLK

Properties

Measured Molecular Weight	15~20 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Human Amphiregulin remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Amphiregulin should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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