Datasheet for ABIN7318151

Amphiregulin Protein (AREG)

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Overview

Quantity:	50 µg
Target:	Amphiregulin (AREG)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Amphiregulin/AREG Protein
Sequence:	Ser101-Lys198
Characteristics:	Recombinant Human Amphiregulin is produced by our E.coli expression system and the target gene encoding Ser101-Lys198 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Amphiregulin (AREG)
Alternative Name:	Amphiregulin/AREG (AREG Products)
Background:	Background: Amphiregulin (AREG) is a single-pass membrane protein with 252 amino acids. AREG belongs to the amphiregulin family, which contains 1 EGF-like domain. AREG is expressed in a variety of tissues including ovary, placenta, lung, kidney, stomach, colon, and breast. It is related to Epidermal Growth Factor (EGF) and Transforming Growth Factor Alpha

Target Details

	(TGF-alpha). As an EGF-related growth factor, AREG interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells and inhibits the growth of certain aggressive carcinoma cell lines. AREG may also play a protective role in Bleomycin-Induced Pneumopathy. Synonym: Amphiregulin, AR, Colorectum Cell-Derived Growth Factor, CRDGF, AREG, SDGF, AREGB
Molecular Weight:	11.4 kDa
UniProt:	P15514
Pathways:	RTK Signaling, EGFR Signaling Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.