

Recombinant Full Length Human AREG Protein, GST-tagged

Cat. No. AREG-1163HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AREG full-length ORF (NP_001648.1, 1 a.a. - 252 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	252 amino acids
Description	The protein encoded by this gene is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). The protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells, and it inhibits the growth of certain aggressive carcinoma cell lines. It also functions in mammary gland, oocyte and bone tissue development. This gene is associated with a psoriasis-like skin phenotype, and is also associated with other pathological disorders, including various types of cancers and inflammatory conditions. [provided by RefSeq, Apr 2014]
Molecular Mass	54.3 kDa
AA Sequence	MRAPLLPPAP VVLSLLILGS GHYAAGLDLN DTYSGKREPF SGDHSADGFE VTSRSEMSSG SEISPVSEMP SSSEPSSGAD YDYSEEDNE PQIPGYIVDD SVRVEQVVKP PQNKTESENT SDKPKRKKKG GKNGKNRRNR KKKNPCNAEF QNFCIHGECK YIEHLEAVTC KCQQEYFGER CGEKSMKTHS MIDSSLSKIA

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LAAIAAFMSA VILTAVAVIT VQLRRQYVRK YEGEAEERKK LRQENGNVHA IA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[AREG amphiregulin \[Homo sapiens \]](#)

Official Symbol

[AREG](#)

Synonyms

AREG; amphiregulin; schwannoma derived growth factor , SDGF; schwannoma-derived growth factor; colorectum cell-derived growth factor; AR; SDGF; AREGB; CRDGF; MGC13647

Gene ID

[374](#)

mRNA Refseq

[NM_001657](#)

Protein Refseq

[NP_001648](#)

MIM

[104640](#)

UniProt ID

[P15514](#)

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