

Bioactive

AREG (Human) Recombinant Protein

Catalog # P6236 Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human AREG (P15514) recombinant protein expressed in <i>E.Coli</i> .
Sequence	SVRVEQVVKPPQNKTESENTSDKPKRKKKGGKNGKNRRNRKKKNPCNAEFQNFCHGECKYIEH LEAVTCKCQQEYFGERCGEKSMK
Host	Escherichia coli
Theoretical MW (kDa)	10.1
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED ₅₀ <= 20 ng/mL 3T3 cell proliferation The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer

Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate , pH 7.5.
Storage Instruction	Stored at -20°C to -80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Western Blot
- Functional Study

Gene Info — AREG

Entrez GeneID	374
Protein Accession#	P15514
Gene Name	AREG
Gene Alias	AR, CRDGF, MGC13647, SDGF
Gene Description	amphiregulin
Omim ID	104640
Gene Ontology	Hyperlink
Gene Summary	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). This protein 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. This encoded protein is associated with a psoriasis-like skin phenotype. [provided by RefSeq]
Other Designations	OTTHUMP00000160473 colorectum cell-derived growth factor schwannoma-derived growth factor

Pathway

- [ErbB signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)