

Product Information

MemDX™ Membrane Protein Human AREG (Amphiregulin) for Antibody Discovery

Cat. No.: **MP1298J**

This product is for research use only and is not intended for diagnostic use.

This product is a 11.3 kDa Human AREG membrane protein expressed in E. coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

AREG

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

11.3 kDa

TMD

1

Sequence

SVRVEQVVKPPQNKTESENTSDKPKRKKKGKNGKNRRNRKKKNPCNAEFQNFCHGECKYIEHLEAVTCKCQQEYFGERCGEK

Product Description

Expression Systems

E. coli

Tag

Tag Free

Form

Liquid

Endotoxin

< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 µM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

AREG

Full Name

Amphiregulin

Introduction

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.

Alternative Names

AR; SDGF; AREGB; CRDGF; amphiregulin B; colorectum cell-derived growth factor; schwannoma-derived growth factor

Gene ID

[374](#)

UniProt ID

[P15514](#)