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Product Information

MemDX™ Membrane Protein Human AREG (Amphiregulin) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1032K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human AREG membrane protein expressed *in vitro E.coli* expression system. 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 of Mature Protein

Protein Class
Growth factor

TMD
1

Sequence
SVRVEQVVKPPQNKTESENTSDKPKRKKKGGKNGKNRRNRKKKNPCNAEFQNFCIHGECKYIEHLEAVTCKCQQEYFGERCGEK

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

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

Gene ID

374

UniProt ID

P15514

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