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Product Information

MemDX™ Membrane Protein Human AREG (Amphiregulin) Expressed in *E.coli* for Antibody Discovery, Partial (101-198aa)

Cat. No.: **MPX0707K**
This product is for research use only and is not intended for diagnostic use.

This product is a 11 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
Partial (101-198aa)

Protein Class
Growth factor

Molecular Weight
11 kDa

TMD
1

Sequence
SVRVEQVVKPPQNKTESENTSDKPKRKKKGGKNGKNRRNRKKKNPCNAEF
QNFCIHGECKYIEHLEAVTCKCQQEYFGERCGEKSMKTHSMIDSSLSK

Product Description

Activity
Yes

Expression Systems
E.coli

Protein Format
Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<0.01 EU per 1 μg of the protein by the LAL method.

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

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