

Product Information

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

Cat. No.: **MPX1178K**

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

This product is a Mouse 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

Mouse

Target Protein

Areg

Protein Length

Full Length of Mature Protein

Protein Class

Growth factor

TMD

1

Sequence

VIKPKKNKTEGEKSTEKPKRKKKGGKNGKGRNRNKKKKNPCTAKFQNFCHGECRYIENLEVVTCHQDYFGERCGEKSMKTHSE

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

This gene encodes a member of the epidermal growth factor (EGF) family and preproprotein that is proteolytically processed to generate a mature protein product. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and has been shown to play a role in immunity, inflammation, tissue repair, and lung and mammary gland development. Homozygous knockout mice for this gene exhibit impaired immune system regulation in the skin and gene expression changes characteristic of chronic liver damage.

Alternative Names

Areg; AR; Sdg; Mcub; Sdgf; schwannoma-derived growth factor; Amphiregulin

Gene ID

[11839](#)

UniProt ID

[P31955](#)