

## Recombinant Mouse Areg Protein, His-tagged

**Cat. No.** Areg-242M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Areg Protein (Ser94-Lys191) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser94-Lys191
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 15.0 kDa Accurate Molecular Mass: 19 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

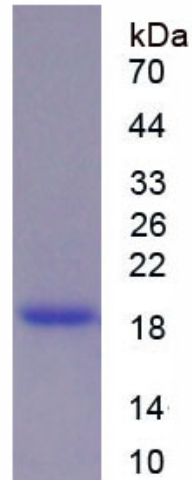
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Areg amphiregulin [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Areg</a>
<b>Synonyms</b>	AREG; amphiregulin; schwannoma-derived growth factor; AR; Sdgf
<b>Gene ID</b>	<a href="#">11839</a>
<b>mRNA Refseq</b>	<a href="#">NM_009704</a>
<b>Protein Refseq</b>	<a href="#">NP_033834</a>
<b>UniProt ID</b>	<a href="#">P31955</a>

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