

## Active Recombinant Mouse Areg protein

**Cat. No.** Areg-32M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Areg(Ser94-Lys191) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	94-191 a.a.
<b>Predicted N Terminal</b>	Ser94
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. Marquardt, H. et al. (1984) Science 223:1079. The ED50 for this effect is typically 5-20 ng/mL.
<b>Molecular Mass</b>	Predicted Molecular Mass 11.3 kDa
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution.

**Reconstitution**

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name**

[Areg amphiregulin \[ Mus musculus \]](#)

**Official Symbol**

[Areg](#)

**Synonyms**

AREG; amphiregulin; schwannoma-derived growth factor; AR; Sdgf;

**Gene ID**

[11839](#)

**mRNA Refseq**

[NM\\_009704](#)

**Protein Refseq**

[NP\\_033834](#)

**MIM**
**UniProt ID**

[P31955](#)

**Chromosome  
Location**

5 E1; 5 44.78 Cm

**Pathway**

ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, conserved biosystem;

**Function**

cytokine activity; epidermal growth factor receptor binding; growth factor activity;

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