

Active Recombinant Mouse Areg protein

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

SPECIFICATION

Product Overview	Recombinant Mouse Areg(Ser94-Lys191) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	94-191 a.a.
Predicted N Terminal	Ser94
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass11.3 kDa
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	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

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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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