

Amphiregulin (AREG) Recombinant Protein | AREG recombinant protein

Recombinant Amphiregulin (AREG)

CATALOG # AAA149485	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Amphiregulin (AREG); Recombinant Amphiregulin (AREG); AREG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Applicable Applications for AREG recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Residues	Ser94~Lys191
Tags	N-terminal His Tag
Subcellular Location	Membrane
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Traits	Freeze-dried powder
Original Concentration	200ug/mL
Predicted Isoelectric Point	9.7
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Note	was used as immunogen for the Amphiregulin (AREG), Polyclonal Antibody.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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°C 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.

IMAGES



SDS-PAGE
Figure. SDS-PAGE



Identification
Figure. Gene Sequencing (Extract



Sequence

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted: 15.0kDa Accurate: 19kDa as determined by SDS-PAGE reducing conditions.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/amphiregulin-areg-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149485>