SunLong Biotech Co.,LTD
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Recombinant Epidermal Growth Factor (EGF)

Catalog Number: SIPA146Mu02 **Spec: 50ug**

Product Name	Recombinant Epidermal Growth Factor (EGF)
Catalog Number	SIPA146Mu02
Organism Species	Mouse
Source	Prokaryotic expression
Host	E.coli
Residues	Asp362~Ala483
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Membrane
Purity	> 95%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% Trehalose .
Original Concentration	200μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	5.4
Predicted Molecular Mass	26.4kDa
Accurate Molecular Mass	35kDa as determined by SDS-PAGE reducing conditions.
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.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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.

[SEQUENCE]

DVNECATQN HGCTLGCENT PGSYHCTCPT GFVLLPDGKQ
CHELVSCPGN VSKCSHGCVL TSDGPRCICP AGSVLGRDGK TCTGCSSPDN
GGCSQICLPL RPGSWECDCF PGYDLQSDRK SCA

[IDENTIFICATION]

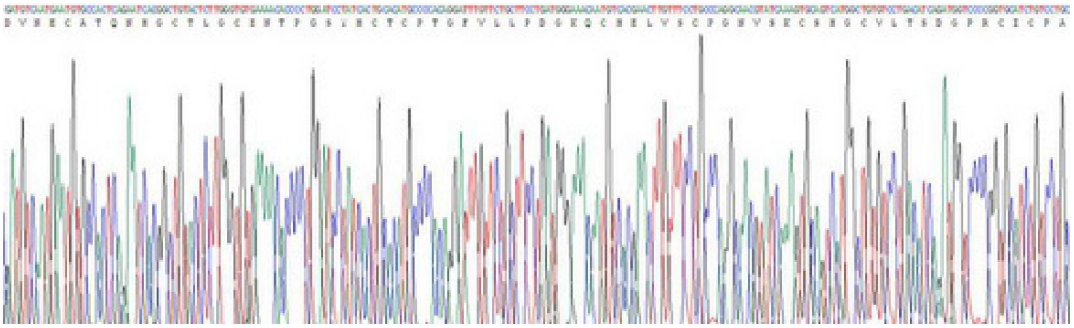


Figure. Gene Sequencing (Extract)

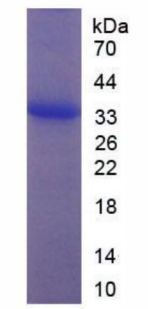


Figure. SDS-PAGE

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[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.