RPA560Po02 50μg

Recombinant Epidermal Growth Factor (EGF)

Organism Species: *Sus scrofa; Porcine (Pig)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Asn970~His1023

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 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: 6.4

Predicted Molecular Mass: 36.1kDa

Accurate Molecular Mass: 36kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

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

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8⁰C for one month.
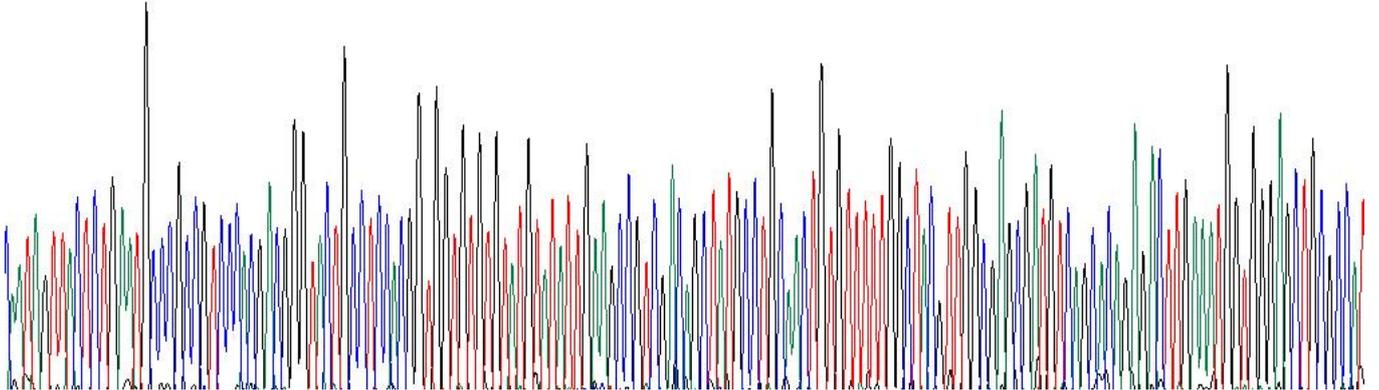
Aliquot and store at -80⁰C for 12 months.

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]

N SYSECPPSHD GYCLHGGVCM YIEAVDSYAC
NCVFGYVGER CQHRDLKWWE LRH

[**IDENTIFICATION**]

CAATAGTTACTCTGAATGCCCGCCGTCCCACGACGGGTACTGCCTCCACGGTGGTGTGTGTATGTATATTGAAGCCGTCGACAGCTATGCCTGCAACTGTGTTTTTGGCTACGTTGGCGAGCGATGTCAGCACAGAGACTTGAAATGGTGGGAGCTGCGCCAT
N S Y S E C P P S H D G Y C L H G G V C M Y I E A V D S Y A C N C V F G Y V G E R C Q H R D L K W W E L R H
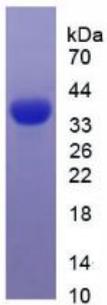
Figure. Gene Sequencing (Extract)

kDa	
70	
44	
33	
26	
22	
18	
14	
10	

Figure. SDS-PAGE

[**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.