

# Recombinant Gamma Actin (ACTG) Instruction Manual

**SIPB759Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Plasma, Cytoplasm
<b>Predicted Molecular Mass</b>	43.0kDa
<b>Accurate Molecular Mass</b>	43kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Phe375 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	5.6
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
MEEEIAALVI DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK  
DSYVGDEAQS KRGILTLYKP IEHGIVTNWD DMEKIWHHTF YNELRVAPEE  
HPVLLTEAPL NPKANREKMT QIMFETFNTP AMYVAIQAVL SLYASGRTTG  
IVMDSGDGVT HTVPIYEGYA LPHAILRLDL AGRDLTDYLM KILTERGYSF  
TTTAEREIVR DIKEKLCYVA LDFAQEMATA ASSSSLEKSY ELPDGQVITI  
GNERFRCPFA LFQPSFLGME SCGIHETTFN SIMKCDVDIR KDLYANTVLS  
GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGSILASLS  
TFQQMWISKQ EYDESGPSIV HRKCF
```

## USAGE

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## **STABILITY**

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.

## **Image**

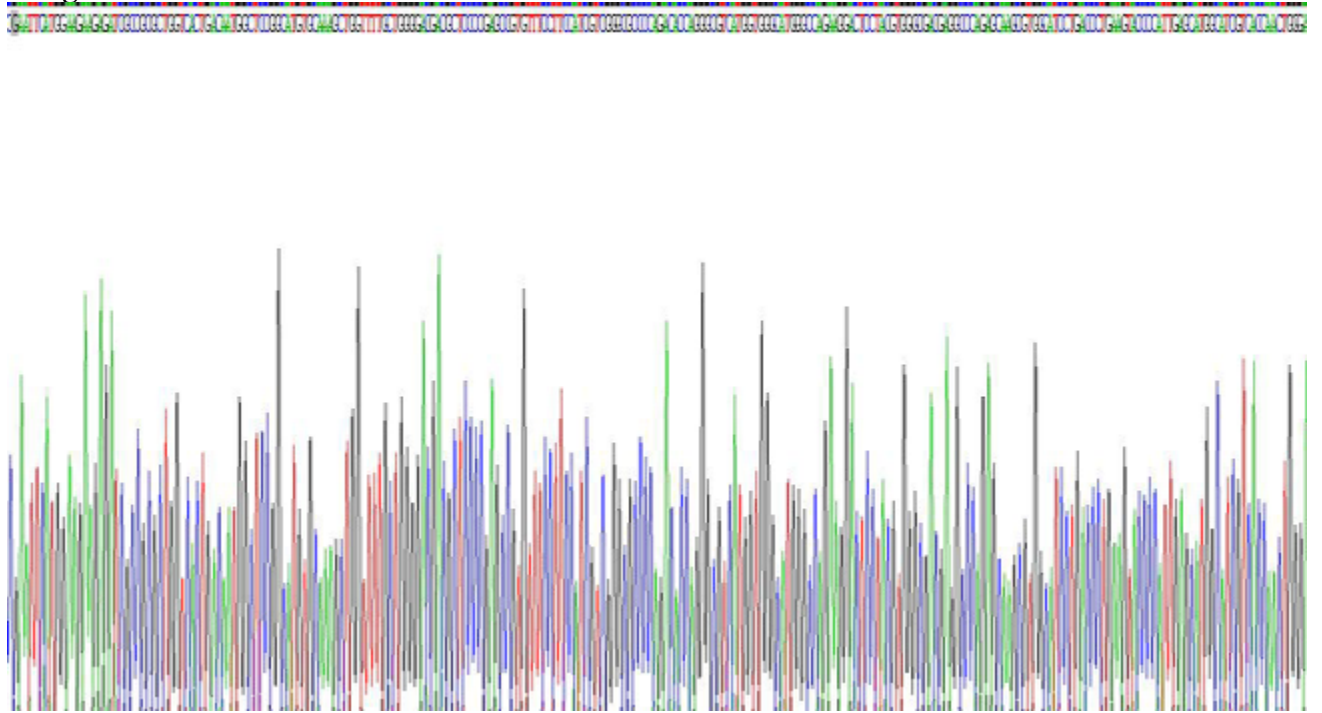


Figure. SDS-PAGE

## **[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.