

# Recombinant Insulin Like Growth Factor Binding Protein, Acid Labile Subunit (IGFALS) Instruction Manual

**SIPD481Hu01**

**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>	Secreted
<b>Predicted Molecular Mass</b>	67.0kDa
<b>Accurate Molecular Mass</b>	60kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ala28~Cys605 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	6.6
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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ADP GTPGAEAGPA CPAACVCSYD
DDADELSVFC SSRNLTRLPD GVPGGTQALW LDGNNLSSVP PAAFQNLSSL
GFLNLQGGQL GSLEPQALLG LENLCHLHLE RNQLRSLALG TFAHTPALAS
LGLSNNRLSR LEDGLFEGLG SLWDLNLGWN SLAVLPDAAF RGLGSLRELV
LAGNRLAYLQ PALFSGLAEL RELDLSRNAL RAIKANVFVQ LPRLQKLYLD
RNLIAAVAPG AFLGLKALRW LDLSHNRVAG LLEDTFPGLL GLRVLRLSHN
AIASLRPRTF KDLHFLEELQ LGHNRIRQLA ERSFEGLGQL EVLTLDHNQL
QEVKAGAF LG LTNVAVMNLS GNCLRNLPEQ VFRGLGKLHS LHLEGSCLGR
IRPHTFTGLS GLRRLFLKDN GLVGIEEQSL WGLAELLELD LTSNQLTHLP
HRLFQGLGKL EYLLLSRNRL AELPADALGP LQRAFWDVVS HNRLEALPNS
LLAPLGRRLRY LSLRNMNSLRT FTPQPPGLER LWLEGNPWDC GCPLKALRDF
ALQNPSAVPR FVQAICEGDD CQPPAYTYNN ITCASPPEVV GLDLRDLSEA
HFAPC
```

## **USAGE**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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**

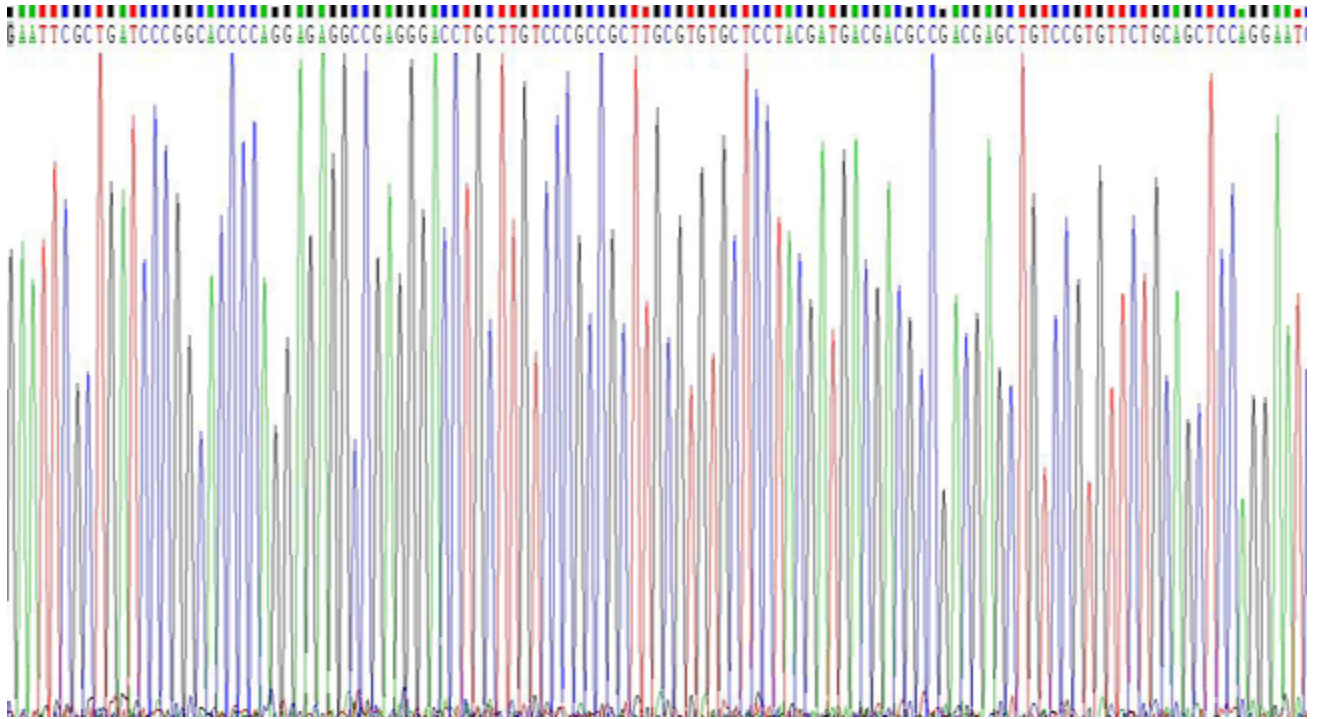


Figure. SDS-PAGE

**[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.