SunLong Biotech Co.,LTD
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Recombinant Transforming Growth Factor Beta 1 (TGFb1)

Catalog Number: SIPA079Hu02 **Spec: 10ug**

Product Name	Recombinant Transforming Growth Factor Beta 1 (TGFb1)
Catalog Number	SIPA079Hu02
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Leu30~Ser390
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Purity	> 80%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 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	8.4
Predicted Molecular Mass	45.0kDa
Accurate Molecular Mass	43kDa 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 2-8ºC 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

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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]

L STCKTIDMEL VKRKRIEAIR
GQILSKLRLA SPPSQGEVPP GPLPEAVLAL YNSTRDRVAG ESAEPEPEPE
ADYYAKEVTR VLMVETHNEI YDKFKQSTHS IYMFFNTSEL REAVPEPVLL
SRAELRLLRL KLKVEQHVEL YQKYSNNSWR YLSNRLLAPS DSPEWLSFDV
TGVVRQWLSR GGEIEGFRLS AHCSCDSRDN TLQVDINGFT TGRRGDLATI
HGMNRPFLLL MATPLERAQH LQSSRHRRAL DTNYCFSSTE KNCCVRQLYI
DFRKDLGWKW IHEPKGYHAN FCLGPCPYIW SLDTQYSKVL ALYNQHNPGA
SAAPCCVPQA LEPLPIVYYV GRKPKVEQLS NMIVRSCKCS

[IDENTIFICATION]

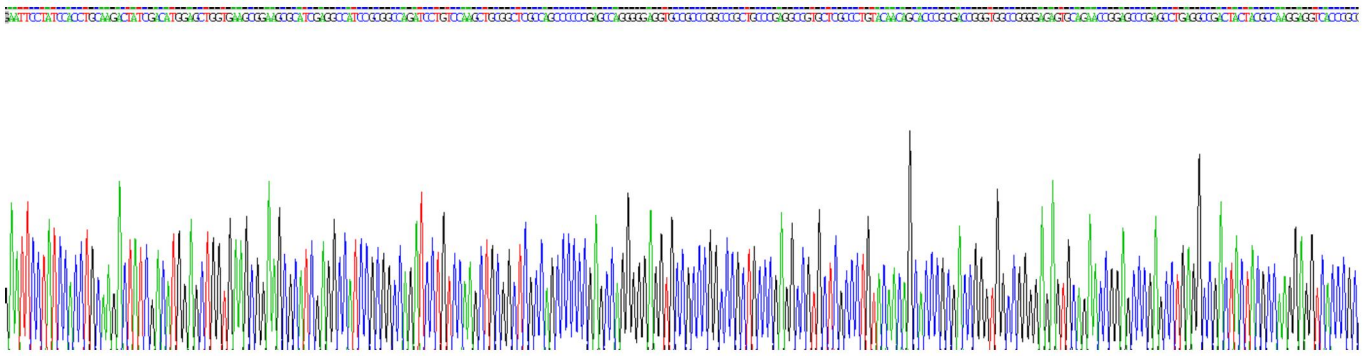


Figure . Gene Sequencing (extract)

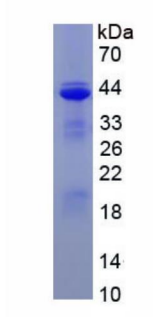


Figure. SDS-PAGE

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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.