

Recombinant Transforming Growth Factor Beta 1 (TGFb1) Instruction Manual

SIPA079Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted, Extracellular matrix
Predicted Molecular Mass	45.0kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu30~Ser390 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	8.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                L STCKTIDMEL VKRKRIEAIR
GQILSKLRLA SPPSQGEVPP GPLPEAVLAL YNSTRDRVAG ESAEPEPEPE
ADYYAKEVTR VLMVETHNEI YDKFKQSTHS IYMFNTSEL REAVPEPVLL
SRAELRLLRL KLVQEQHVEL YQKYSNNSWR YLSNRLLAPS DSPEWLSFDV
TGVVQRWLSR GGEIEGFRLS AHCSCDSRDN TLQVDINGFT TGRRGDLATI
HGMMRPFLLL MATPLERAQH LQSSRHRRAL DTNYCFSSTE KNCCVRQLYI
DFRKDLGWKW IHEPKGYHAN FCLGPCPYIW SLDTQYSKVL ALYNQHNPQA
SAAPCCVPQA LEPLPIVYVYV GRKPKVEQLS NMIVRSCKCS
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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

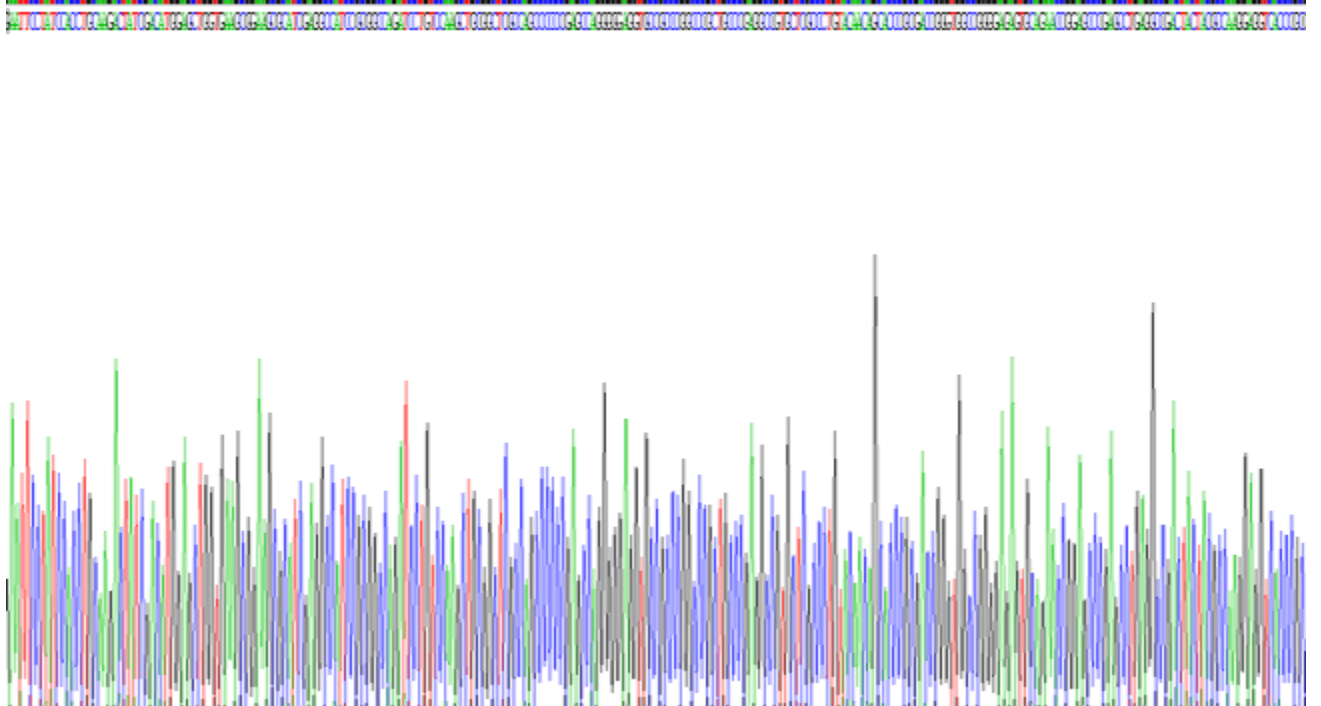


Figure. SDS-PAGE

[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.

