

RPA124Hu02 200µg

Recombinant Transforming Growth Factor Beta 1 (TGFb1)

Organism Species: *Homo sapiens (Human)*

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: 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% 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: 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 2-8°C for one month.

Aliquot and store at -80°C 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]

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

[IDENTIFICATION]

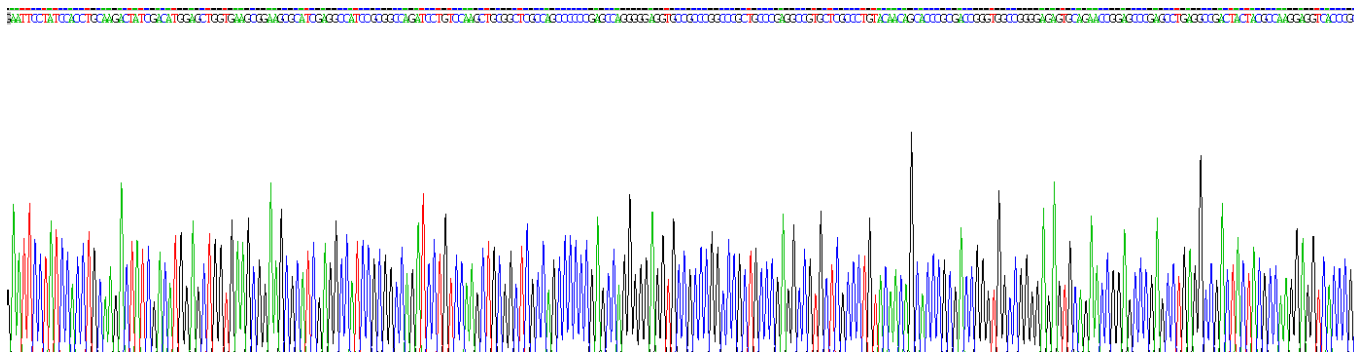


Figure . Gene Sequencing (extract)

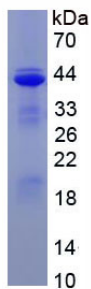


Figure. SDS-PAGE

[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.