

Recombinant Collagen Type III Alpha 1 (COL3a1) Instruction Manual

SIPD097Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1 μ g (determined by the LAL method)
Subcellular Location	Extracellular matrix
Predicted Molecular Mass	45.8kDa
Accurate Molecular Mass	47kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly1059~Leu1466 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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GK SGDRGESGPA GPAGAPGPAG SRGAPGPQGP RGDKGETGER
GAAGIKGHRG FPGNPGAPGS PGPAGQQGAI GSPGPAGPRG PVGPSGPPGK
DGTSGHPGPI GPPGPRGNRG ERGSEGSPGH PGQPGPPGPP GAPGPCCGV
GAAAIAGIGG EKAGGFAPYY GDEPMDFKIN TDEIMTSLKS VNGQIESLIS
PDGSRKNPAR NCRDLKFCHP ELKSGEYWVD PNQGCKLDAI KVFCNMETGE
TCISANPLNV PRKHWWTDSS AEKKhVWFGE SMDGGGFQFSY GNPPELPEVDL
DVHLAFLRLL SSRASQNITY HCKNSIAYMD QASGNVKKAL KLMGSNEGEF
KAEGNSKFTY TVLEDGCTKH TGEWSKTVFE YRTRKAVRLP IVDIAPYDIG
GPDQEFQVDV GPVCFL
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USAGE

Reconstitute in 10mM 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

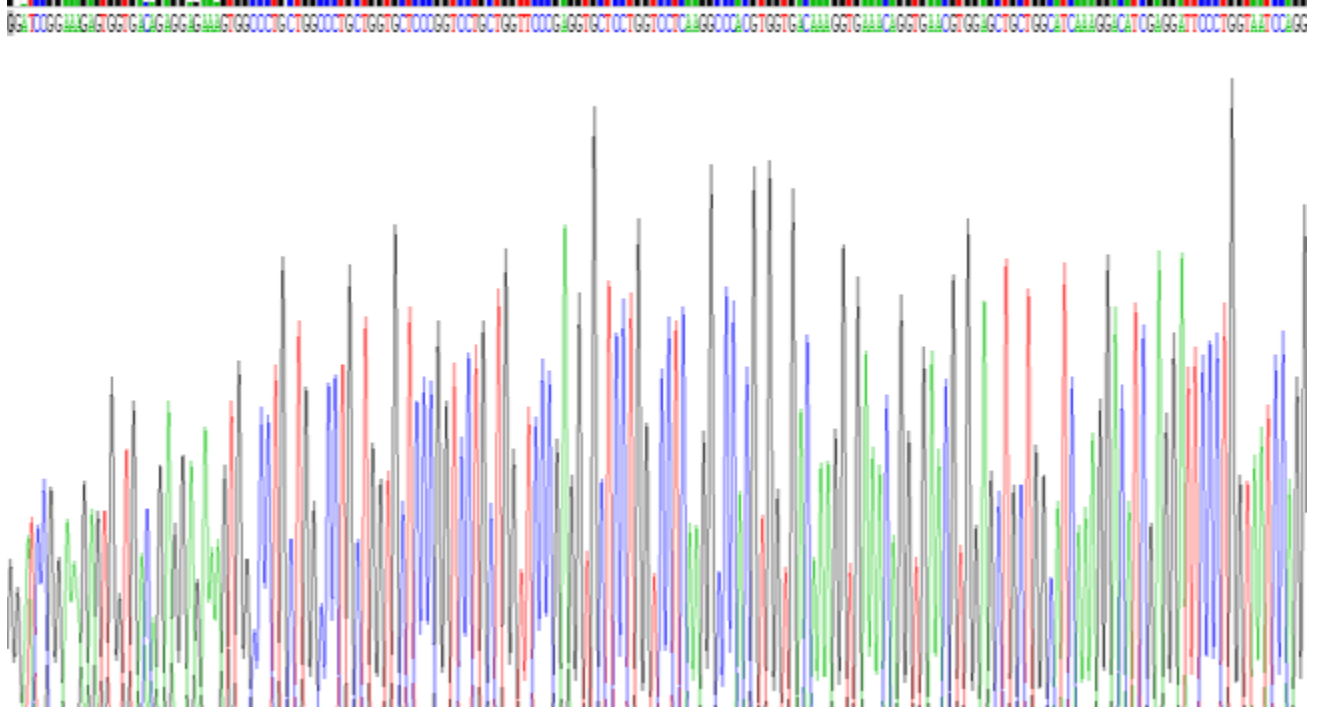


Figure. SDS-PAGE

[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.

