

Recombinant Collagen Type IV Alpha 1 (COL4a1) Instruction Manual

SIPA696Bo01

Bos taurus; Bovine (Cattle)

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	28.6kDa
Accurate Molecular Mass	29kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly1445~Thr1669 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                                     GFLVTR
HSQTTDDPQC PPGTKILYHG YSLLYVQGNE RAHGQDLGTA GSCLRKFSTM
PFLFCNINNV CNFASRNDYS YWLSTPEPMP MSMAPITGEN IRPFISRCV
CEAPAMVMAV HSQTIQIPQC PTGWSSLWIG YSFVMHTSAG AEGSGQALAS
PGSCLEEFRS APFIECHGRG TCNYYANAYS FWLATIERSE MFKKPTPSTL
KAGELRTHVS RCQVCMRRT
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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



G A A T T O G G C T T C C T T G T G A C C C G G C A C A G T C A G A C A A C A G A C G A C C C C C A G T G C C C T C T G G G A C C A A A T C C T C T A C C A C G G C T A C T C T T T G C T C T A C G T G C A A G G C A A C G A G C G G G C G C A C G G C C A G G A C T T G G C A C G G G G G

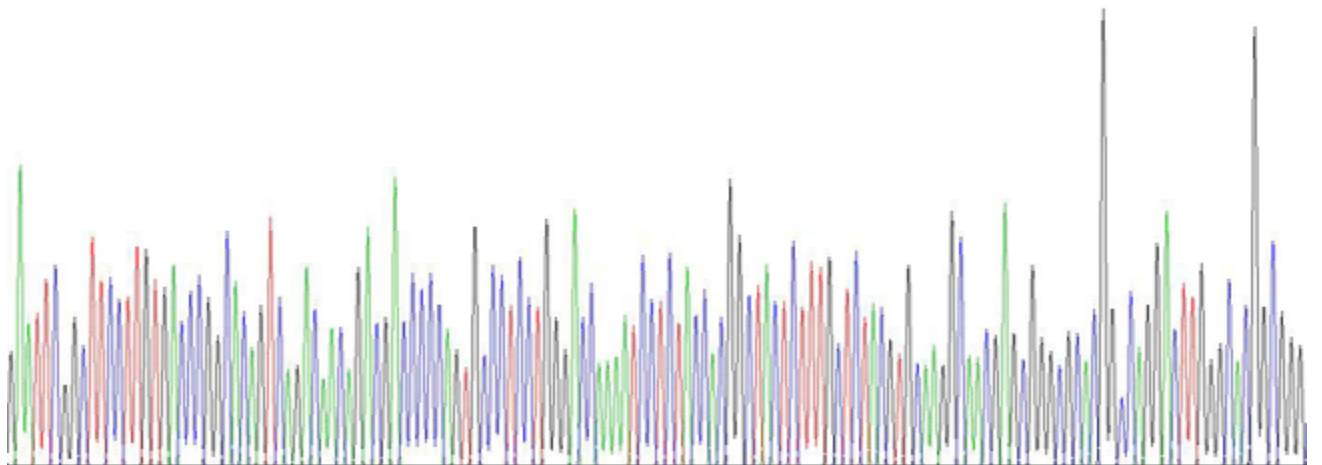


Figure. SDS-PAGE

[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.

