

RPA149Bo01 100µg

Recombinant Collagen Type IV Alpha 1 (COL4a1)

Organism Species: *Bos taurus*; Bovine (Cattle)

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: Gly1445~Thr1669

Tags: N-terminal His Tag

Subcellular Location: Secreted, Extracellular matrix

Purity: > 90%

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: 8.0

Predicted Molecular Mass: 28.6kDa

Accurate Molecular Mass: 29kDa 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]

GFLVTR

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

[IDENTIFICATION]

GAATTGGGCTTCTTGACCCGGCACAGTCAGACAAAGACGACCCCAAGTGCCTCTGGGACCAAAATCCTCTACCAAGGCTACTCTTTGCTCTACGTGCAAGGCAACGAGCGGGCGCACGGCCAGGACTTGGCACGGCGGG

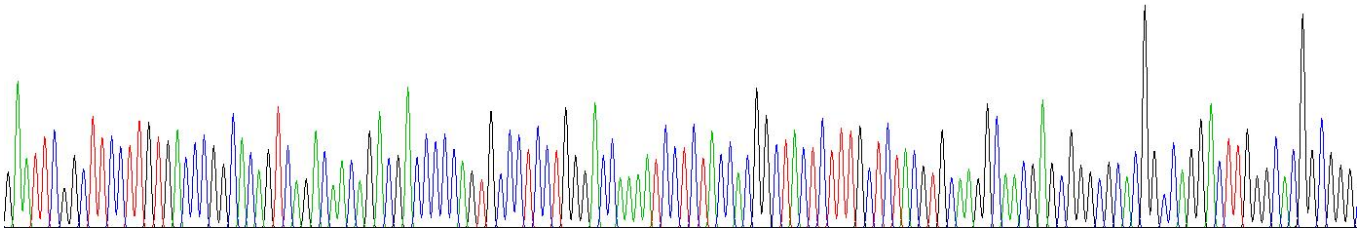


Figure . Gene Sequencing (extract)

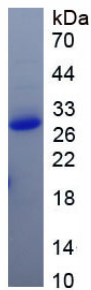


Figure. SDS-PAGE

[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.