Eukaryotic Collagen Type I Alpha 1 (COL1a1) Instruction Manual

SFPA345Hu61

Homo sapiens (Human)

Source Eukaryotic expression

Host 293F cell

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular Location Extracellular matrix

Predicted Molecular Mass 29.1kDa

Accurate Molecular Mass 35kDa(Analysis of differences refer to the manual)

Residues & Tags Asp1219~Leu1464 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 5.0

Applications Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

DD ANVVRDRDLE VDTTLKSLSQ QIENIRSPEG SRKNPARTCR DLKMCHSDWK SGEYWIDPNQ GCNLDAIKVF CNMETGETCV YPTQPSVAQK NWYISKNPKD KRHVWFGESM TDGFQFEYGG QGSDPADVAI QLTFLRLMST EASQNITYHC KNSVAYMDQQ TGNLKKALLL QGSNEIEIRA EGNSRFTYSV TVDGCTSHTG AWGKTVIEYK TTKTSRLPII DVAPLDVGAP DQEFGFDVGP VCFL

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.



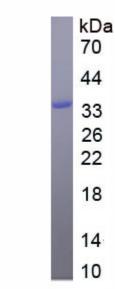


Figure. SDS-PAGE

[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.