

# Recombinant Collagen Type I Alpha 1 (COL1a1) Instruction Manual

SIPA345Hu03

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Extracellular matrix
<b>Predicted Molecular Mass</b>	57.6kDa
<b>Accurate Molecular Mass</b>	58kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ala1218~Leu1464 with N-terminal His and GST Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
ADD ANVVRDRDLE VDTTLKSLSQ QIENIRSPEG
SRKNPARTCR DLKMCHSDWK SGEYWIDPNQ GCNLDAIKVF CNMETGETCV
YPTQPSVAQK NWYISKNPDK KRHWVFGESM 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

