

Recombinant Collagen Type I Alpha 2 (COL1a2) Instruction Manual

SIPA707Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	33.0kDa
Accurate Molecular Mass	33kDa(Analysis of differences refer to the manual)
Residues & Tags	Val1109~Lys1372 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	> 97%
Isoelectric Point	6.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

VS GGGYDFGFEG DFYRADQPRS QPSLRPKDYE VDATLKSLNN
QIETLLTPEG SRKNPARTCR DLRLSHPEWN SDYYWIDPNQ GCTMDAIKVV
CDFSTGETCI QAQPVNTPAK NSYSRAQANK HWLGETING GSQFEYNVEG
VSSKEMATQL AFMRLLANRA SQNITYHCKN SIAYLDEETG SLNKAVLLQG
SNDVELVAEG NSRFTYSVLV DGCSKKTNEW GKTIIIEYKTN KPSRLPFLDI
APLDIGGADQ EFRVEVGPVC FK

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

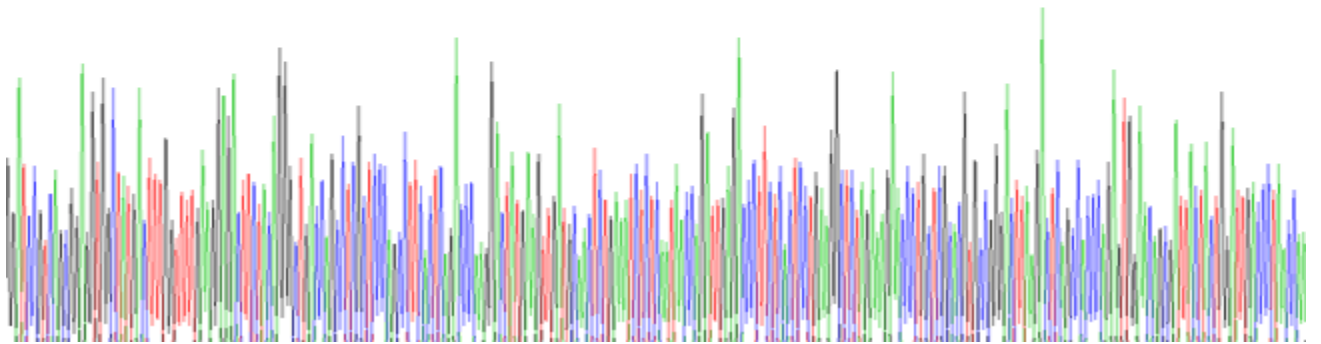
STORAGE

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



SDS-PAGE Image

[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.