

# Recombinant Elastin (ELN) Instruction Manual

**SIPB512Hu01**

**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>	Secreted, Extracellular matrix
<b>Predicted Molecular Mass</b>	22.6kDa
<b>Accurate Molecular Mass</b>	28kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Gly392~Ala645 with N-terminal His Tag
<b>Buffer Formulation</b>	100mMNaHCO <sub>3</sub> , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	10.3
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
GGIPTYGVG  
AGGFPGFGVG VGGIPGVAGV PGVGGVPGVG GVPGVGISPE AQAAAAAKAA  
KYGVGTPAAA AAKAAAKAAQ FGLVPGVGVA PGVGVAPGVG VAPGVGLAPG  
VGVAPGVGVA PGVGVAPGIG PGGVAAAAKS AAKVAAKAQL RAAAGLGAGI  
PGLGVGVGVP GLGVGAGVPG LGVGAGVPGF GAVPGALAAA KAAKYGAAVP  
GVLGGLGALG GVGIPGGVVG AGPAAAAAAA KAAAKAAQFG LVGAA
```

## USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

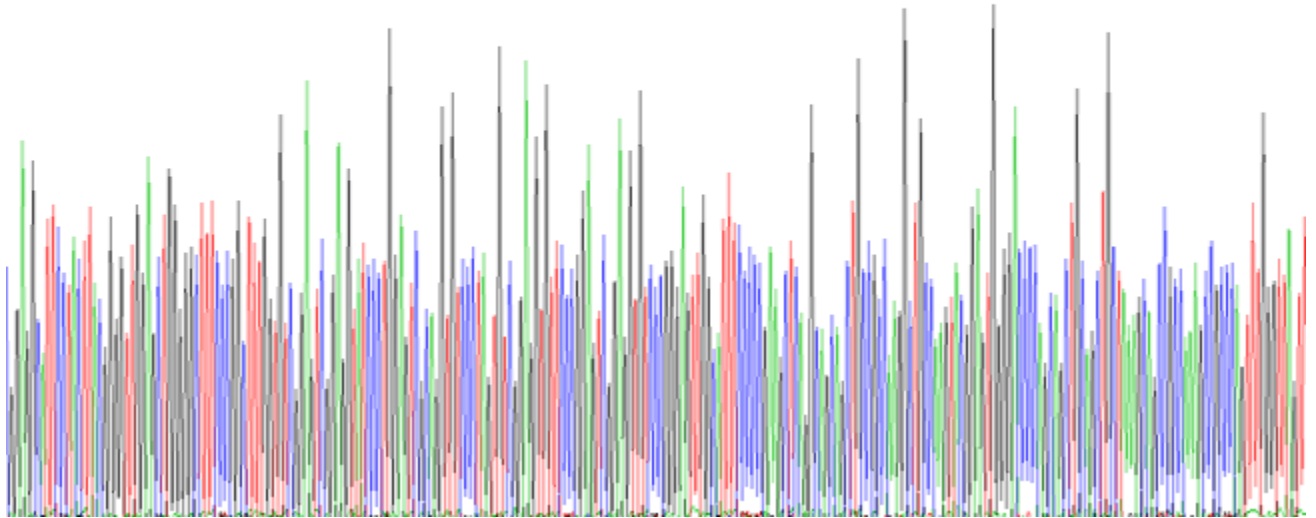
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## 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

GGIPITG V G A G G F P G F G V G G I P G V A G V P S V G G V P G V G G V P G V G I S P E A Q A A A A A A X A A X T G V G T P A A A A A A K A A A A A Q F G L V



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.