

Recombinant Elastin (ELN) Instruction Manual

SIPB512Bo01

Bos taurus; Bovine (Cattle)

| | |
|---------------------------------|---|
| Source | Prokaryotic expression |
| Host | E.coli |
| Endotoxin Level | <1.0EU per 1µg (determined by the LAL method) |
| Subcellular Location | Secreted, Extracellular matrix |
| Predicted Molecular Mass | 64.7kDa |
| Accurate Molecular Mass | 65kDa(Analysis of differences refer to the manual) |
| Residues & Tags | Gly27~Lys747 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 | 11.0 |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

SEQUENCE

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GGVP GAVPGGVPPG VFFPGAGLGG
LGVGGLPGV KPAKPGVGGV VGPGLGAEGS ALPGAFFPGF FGAGGGAAGA
AAAYKAAAKA GAAGLVGGI GGVGGLGVST GAVVPQLGAG VGAGVKPGKV
PGVGLPGVYP GGVLPGAGAR FPGIGVLPGV PTGAGVKPKA QVGAGAFAGI
PGVGFPGGQQ PGLPLGYPIK APKLPAGYGL PYKTGKLPYG FPGGGVAGSA
GKAGYPTGTG VGPQAAAAAA KAAAKLGAGG AGVLPGVGVG GPGIPGAPGA
IPGIGGIAGV GAPDAAAAAA AAAKAAKFGA AGGLPGVGVV GVGVPVGVV
GVGVPGVGVV GVGVPVGVV GVGVPVGVV GVGVPVGVV GALSPAATAK
AAKAAKFGA RGA VGI GGIP TFGLPGGFP GIGDAAAAPA AAAKAAKIG
AGVGALGGV VPGAPGAI PG LPGVGGVPGV GIPAAAAAKA AAKAAQFGLG
PGVGVAPGVV VPGVGVVPGV VGVAPGIGLG PGGVIGAGVP AAAKSAAKAA
AKAQFRAAAG LPAGVPGLGV GAGVPGLGVG AGVPGLGVGA GVPGPGAVPG
TLAAKAAKF GPGVGALGG VGD LGGAGIP GGVAGVVPAA AAAKAAAKA
AQFGLGGVGG LGVGGLGAVP GAVGLGGVSP AAAKAAKFG AAGLGGVPGA
GQPFPIGGGA GGLGVGGKPP KPFGGALGAL GFPGGACL GK SCGRKRK
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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

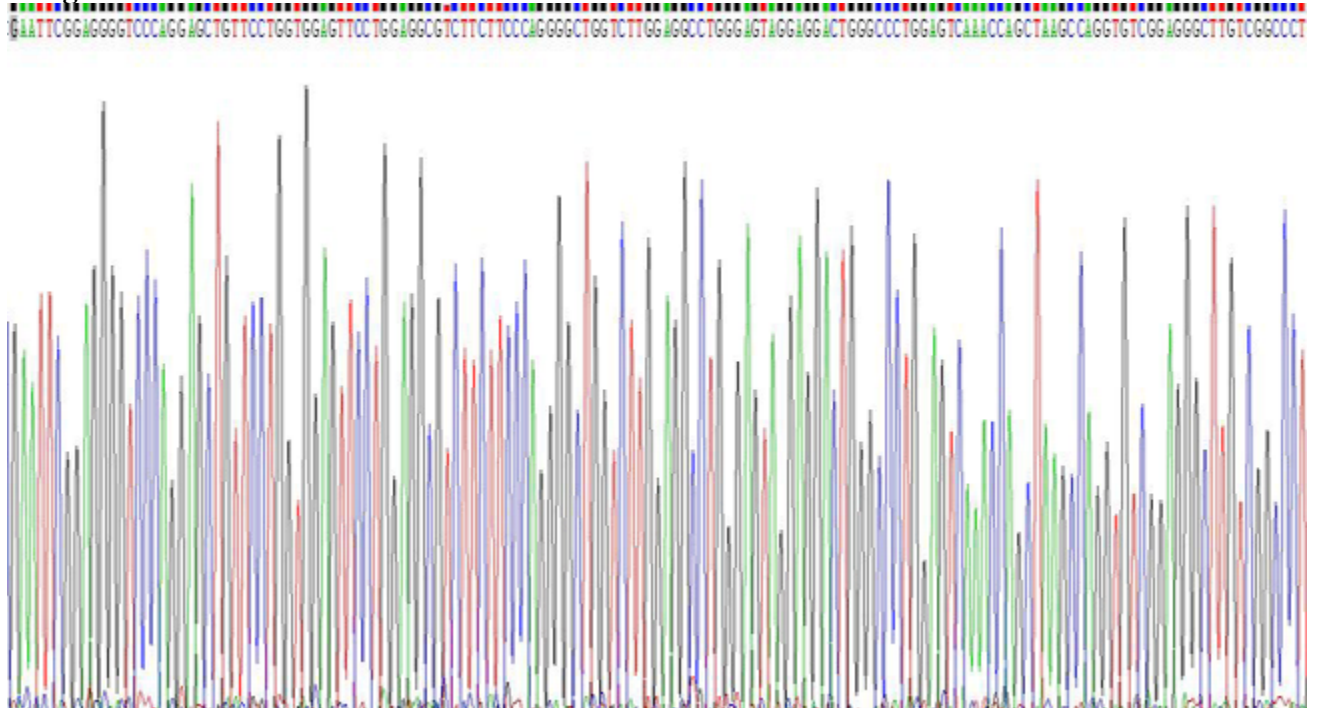


Figure. SDS-PAGE

[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.