RPB337Bo01 100µg

Recombinant Elastin (ELN)

Organism Species: *Bos taurus; Bovine (Cattle)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Gly27~Lys747

Tags: N-terminal His Tag

Subcellular Location: Secreted, Extracellular matrix

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 200μg/mL

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

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 11.0

Predicted Molecular Mass: 64.7kDa

Accurate Molecular Mass: 65kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

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

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: 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.

[SEQUENCE]

GGVP GAVPGGVPGG VFFPGAGLGG
LGVGGLGPGV KPAKPGVGGL VGPGLGAEGS ALPGAFPGGF FGAGGGAAGA
AAAYKAAAKA GAAGLGVGGI GGVGGLGVST GAVVPQLGAG VGAGVKPGKV
PGVGLPGVYP GGVLPGAGAR FPGIGVLPGV PTGAGVKPKA QVGAGAFAGI
PGVGPFGGQQ PGLPLGYPIK APKLPAGYGL PYKTGKLPYG FGPGGVAGSA
GKAGYPTGTG VGPQAAAAAA KAAAKLGAGG AGVLPGVGVG GPGIPGAPGA
IPGIGGIAGV GAPDAAAAAA AAAKAAKFGA AGGLPGVGVP GVGVPGVGVP
GVGVPGVGVP GVGVPGVGVP GVGVPGVGVP GVGVPGVGVP GALSPAATAK
AAAKAAKFGA RGAVGIGGIP TFGLGPGGFP GIGDAAAAPA AAAAKAAKIG
AGGVGALGGV VPGAPGAIPG LPGVGGVPGV GIPAAAAAKA AAKAAQFGLG
PGVGVAPGVG VVPGVGVVPG VGVAPGIGLG PGGVIGAGVP AAAKSAAKAA
AKAQFRAAAG LPAGVPGLGV GAGVPGLGVG AGVPGLGVGA GVPGPGAVPG
TLAAAKAAKF GPGGVGALGG VGDLGGAGIP GGVAGVVPAA AAAAKAAAKA
AQFGLGGVGG LGVGGLGAVP GAVGLGGVSP AAAAKAAKFG AAGLGGVLGA
GQPFPIGGGA GGLGVGGKPP KPFGGALGAL GFPGGACLGK SCGRKRK

[IDENTIFICATION]

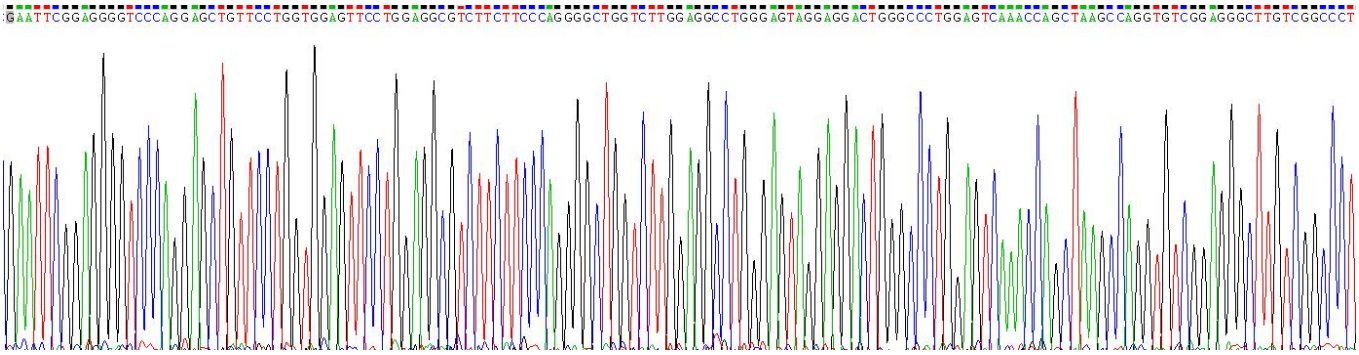

Figure . Gene Sequencing (extract)

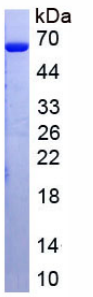

Figure. SDS-PAGE

[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.