# Eukaryotic Cardiac Troponin I (cTnI) Instruction Manual

## SFPA131Hu61

**Homo sapiens (Human)**

| | |
|---|---|
| **Source** | Eukaryotic expression |
| **Host** | 293F cell |
| **Endotoxin Level** | <1.0EU per 1μg (determined by the LAL method) |
| **Subcellular Location** | Cytoplasm |
| **Predicted Molecular Mass** | 25.5kDa |
| **Accurate Molecular Mass** | 33kDa(Analysis of differences refer to the manual) |
| **Residues & Tags** | Ala2~Ser210 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** | 10.6 |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

### SEQUENCE

ADGSSDAAR EPRPAPAPIR RRSSNYRAYA TEPHAKKKSK ISASRKLQLK
TLLLQIAKQE LEREAEERRG EKGRALSTRC QPLELAGLGF AELQDLCRQL
HARVDKVDEE RYDIEAKVTK NITEIADLTQ KIFDLRGKFK RPTLRRVRIS
ADAMMQALLG ARAKESLDLR AHLKQVKKED TEKENREVGD WRKNIDALSG
MEGRKKKFES

### 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**

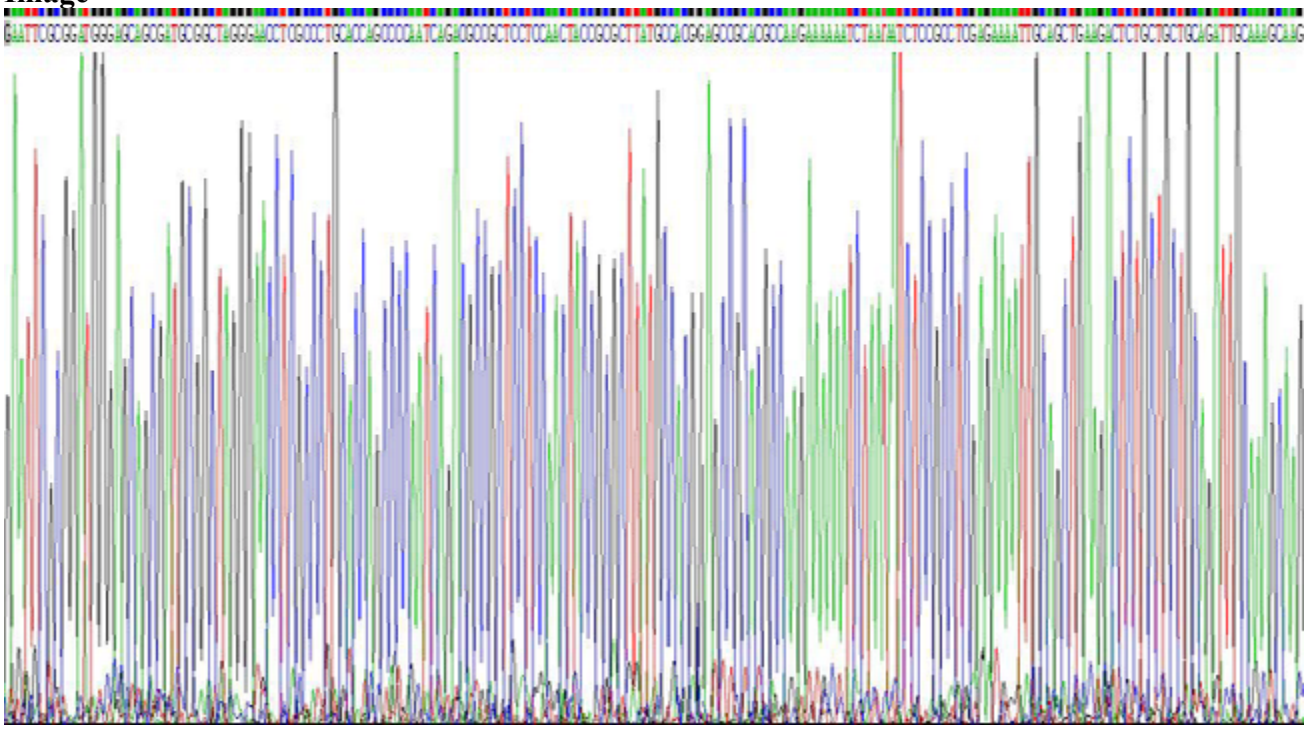

Figure. SDS-PAGE

**[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.