**EPA372Hu61 100µg**

**Eukaryotic Gelsolin (GSN)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

## [ PROPERTIES ]

**Source:** Eukaryotic expression

**Host:** 293F cell

**Residues:** Ala28~Ala782

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 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:** 5.9

**Predicted Molecular Mass:** 84.6kDa

**Accurate Molecular Mass:** 42&80kDa as determined by SDS-PAGE reducing conditions.

**Phenomenon explanation:**

The possible reasons that the actual band size differs from the predicted are as follows:

1.Splice variants: Alternative splicing may create different sized proteins from the same gene.

2. Relative charge: The composition of amino acids may affects the charge of the protein.

3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.

4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.

5. Polymerization of the target protein: Dimerization, multimerization etc.

## [ USAGE ]

Reconstitute in 10mM PBS (pH7.4) 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 ]**

ATA SRGASQAGAP QGRVPEARPN
SMVVEHPEFL KAGKEPGLQI WRVEKFDLVP VPTNLYGDFF TGDAYVILKT
VQLRNGNLQY DLHYWLGNEC SQDESGAAAI FTVQLDDYLN GRAVQHREVQ
GFESATFLGY FKSGLKYKKG GVASGFKHVV PNEVVVQRLF QVKGRRVVRA
TEVPVSWESF NNGDCFILDL GNNIHQWCGS NSNRYERLKA TQVSKGIRDN
ERSGRARVHV SEEGTEPEAM LQVLGPKPAL PAGTEDTAKE DAANRKLAKL
YKVSNGAGTM SVSLVADENP FAQGALKSED CFILDHGKDG KIFVWKGKQA
NTEERKAALK TASDFITKMD YPKQTQVSVL PEGGETPLFK QFFKNWRDPD
QTDGLGLSYL SSHIANVERV PFDAATLHTS TAMAAQHGMD DDGTGQKQIW
RIEGSNKVPV DPATYGQFYG GDSYIILYNY RHGGRQGQII YNWQGAQSTQ
DEVAASAILT AQLDEELGGT PVQSRVVQGK EPAHLMSLFG GKPMIIYKGG
TSREGGQTAP ASTRLFQVRA NSAGATRAVE VLPKAGALNS NDAFVLKTPS
AAYLWVGTGA SEAEKTGAQE LLRVLRAQPV QVAEGSEPDG FWEALGGKAA
YRTSPRLKDK KMDAHPPRLF ACSNKIGRFV IEEVPGELMQ EDLATDDVML
LDTWDQVFVW VGKDSQEEEK TEALTSAKRY IETDPANRDR RTPITVVKQG
FEPPSFVGWF LGWDDDYWSV DPLDRAMAEL AA

**[ IDENTIFICATION ]**

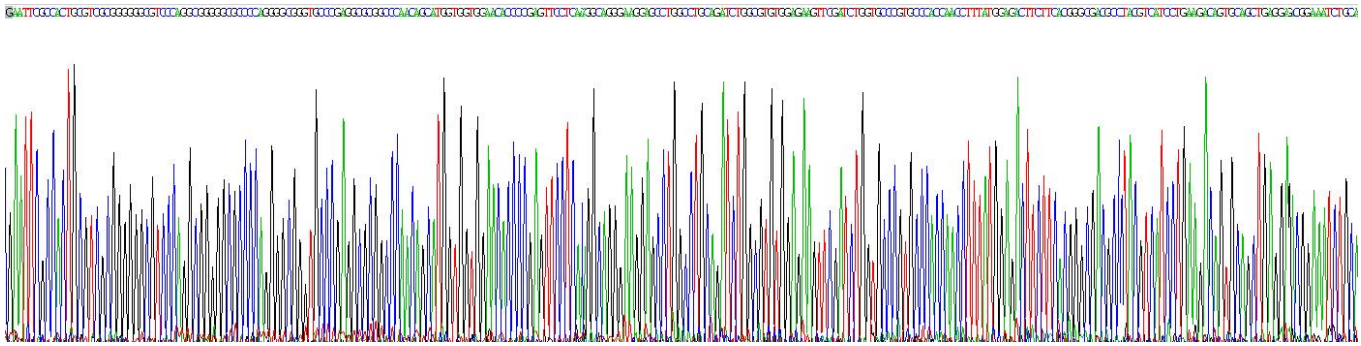

**Figure . Gene Sequencing (extract)**

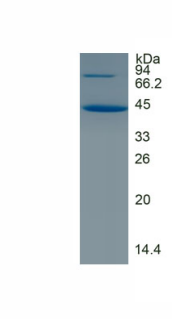


Figure. SDS-PAGE

**[ 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.