

RPC597Hu01 100μg

**Recombinant Virus Induced Signaling Adapter (VISA)** 

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: Prokaryotic expression

Host: E.coli

Residues: Met1~Gly400

Tags: His and TrxA Taq

Subcellular Location: Membrane, Mitochondrion

**Purity:** > 90%

Traits: Freeze-dried powder

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

Original Concentration: 50µg/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: 5.5

Predicted Molecular Mass: 62.0kDa

**Accurate Molecular Mass:** 75kDa 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.

## [ <u>USAGE</u> ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0-0.25 mg/mL. Do not vortex.

# [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.



Store at 2-8°C for one month.

Aliquot and store at -80°C 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]

```
MPFAEDKTYK YICRNFSNFC NVDVVEILPY LPCLTARDQD RLRATCTLSG
NRDTLWHLFN TLQRRPGWVE YFIAALRGCE LVDLADEVAS VYQSYQPRTS
DRPPDPLEPP SLPAERPGPP TPAAAHSIPY NSCREKEPSY PMPVQETQAP
ESPGENSEQA LQTLSPRAIP RNPDGGPLES SSDLAALSPL TSSGHQEQDT
ELGSTHTAGA TSSLTPSRGP VSPSVSFQPL ARSTPRASRL PGPTGSVVST
GTSFSSSSPG LASAGAAEGK QGAESDQAEP IICSSGAEAP ANSLPSKVPT
TLMPVNTVAL KVPANPASVS TVPSKLPTSS KPPGAVPSNA LTNPAPSKLP
INSTRAGMVP SKVPTSMVLT KVSASTVPTD GSSRNEETPA APTPAGATGG
```

## [ IDENTIFICATION ]

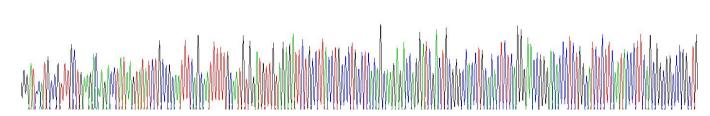


Figure . Gene Sequencing (extract)

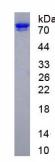




Figure. SDS-PAGE

# [ 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.