

RPF805Hu01 100µg

Recombinant Tumor Necrosis Factor Alpha Induced Protein 3 Interacting Protein 2
(TNIP2)

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: Arg127~Gly374

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

**Purity:** > 90%

Traits: Freeze-dried powder

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

and Proclin300.

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: 7.3

Predicted Molecular Mass: 32.2kDa

Accurate Molecular Mass: 37kDa 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 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 2-8°C for one month.

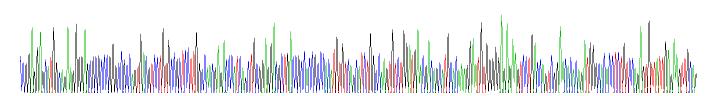
Aliquot and store at -80°C for 12 months.

**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 ]

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RRSM AEGERARAAS DVLCRSLANE
THQLRRTLTA TAHMCQHLAK CLDERQHAQR NVGERSPDQS EHTDGHTSVQ
SVIEKLQEEN RLLKQKVTHV EDLNAKWQRY NASRDEYVRG LHAQLRGLQI
PHEPELMRKE ISRLNRQLEE KINDCAEVKQ ELAASRTARD AALERVQMLE
QQILAYKDDF MSERADRERA QSRIQELEEK VASLLHQVSW RQDSREPDAG
RIHAGSKTAK YLAADALELM VPGG
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#### [ IDENTIFICATION ]



TORREGO<mark>RICO ACCOMPANTA DE LO COMPANTA DE CAMBRACA CALCA DE SOCRO TE</mark>NTO COMPANTA DA LA CALCA DE ROMA DA ACAMETRO CAMBRACA CALCA DE ROMA DA RANTE DE RESPONDE DE LA TORE DE LA TORE DE LA COMPANTA DEL COMPANTA DE LA COMPANTA DEL COMPANTA DE LA COMPANTA DE LA COMPANTA DE LA COMPANTA DEL COMPANTA DEL COMPANTA DE LA COMPANTA DE LA COMPANTA DE LA COMPANTA DE LA COMPANTA DEL COMPANTA DEL COMPANTA DE LA COMPANTA DEL COMPANTA DE LA COMPANTA DEL COM

Figure. Gene Sequencing (Extract)

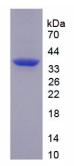




Figure. SDS-PAGE

# [ 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.