

RPA504Fi01 100µg Recombinant Interleukin Enhancer Binding Factor 3 (ILF3) Organism Species: *Danio rerio (Zebrafish)* Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

Coud-Clone Corp.

[PROPERTIES]

Source: Prokaryotic expression Host: E.coli Residues: Arg11~Ser379 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. 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: 6.7 Predicted Molecular Mass: 44.7kDa Accurate Molecular Mass: 50kDa 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 NaCI (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]

RIFVNDDRHV MAKHSAIYPT QEELEGVQNM VSHTERALKL VSDWLDDQEK GNAKVNALDT DGEGDKETEP STGEQATRSL RGVMRVGLVA KGLLLKGDLD LELVLLCKEK PTITLLKKVS DNLAVQLKQL VTEEKYDVKP CIRDATIVIK NAKEPPLTLT IHLTSPLVRE EVEKQAAGET LSVIDPPDVL DRQKCLTALA SLRHAKWFQA RANGLRSCVI VIRILRDLCA RVPTWSPLRG WPLELLCEKA IGTGNRPMGA GEALRRVLEC LASGILMADG SGICDPCEKE LTDAISHVDR QQREDITQSA QHALRLSAFG QLHKVLGMDP LPSKMPRKPR SDTPIDYTVQ IPPSTTYVPP MKRPIEEES

[IDENTIFICATION]

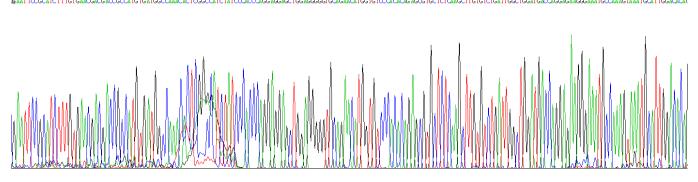


Figure . Gene Sequencing (extract)

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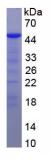


Figure. SDS-PAGE

[<u>IMPORTANT NOTE</u>]

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.