Coud-Clone Corp.

RPA551Hu01 50µg Recombinant Fibroblast Growth Factor 2, Basic (FGF2) Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: E. coli Residues: Phe159~Ser288 Tags: N-terminal His-Tag Tissue Specificity: Liver Cancer. Subcellular Location: Secreted, Nucleus, **Purity:** >98% Traits: Freeze-dried powder Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT. 0.01% sarcosvl. 5% Trehalose and Proclin300. Original Concentration: 200ug/mL **Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.) Predicted isoelectric point: 9.7 Predicted Molecular Mass: 16.4kDa Accurate Molecular Mass: 16&19kDa 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.

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- 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 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.

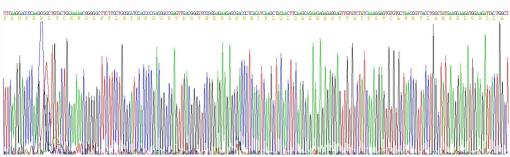
Store at 2-8°C for one month.

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.

[<u>SEQUENCE</u>]

FKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTD ECFFFERLES NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS



[IDENTIFICATION]

Figure 1. Gene Sequencing (Extract)

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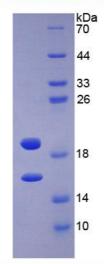


Figure 2. SDS-PAGE