

**RPU540Hu01 50µg**

**Recombinant Erythroferrone (ERFE)**

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

***Instruction manual***

**FOR RESEARCH USE ONLY**

**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Ser29~Val354

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 80%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 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:** 9.9

**Predicted Molecular Mass:** 38.3kDa

**Accurate Molecular Mass:** 41kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration less than or equal to 0.05mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

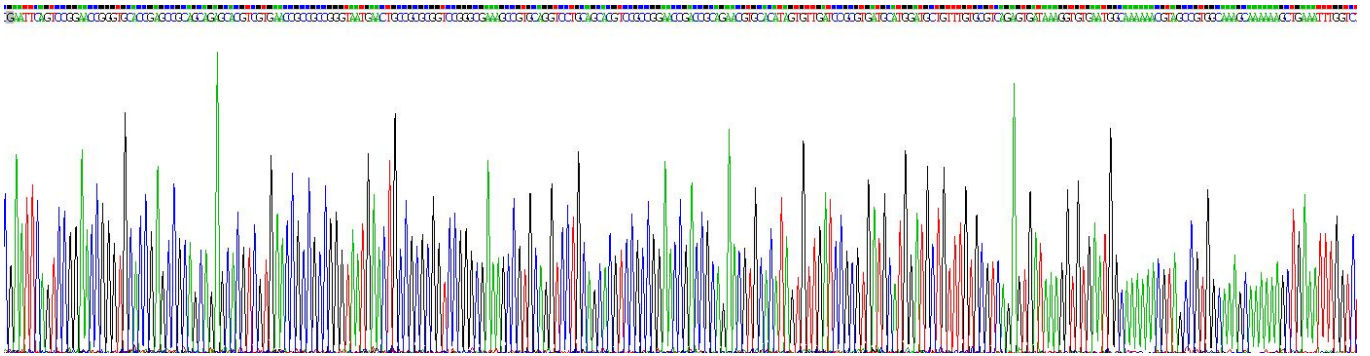
Aliquot and store at -80°C for 12 months.

**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 ]**

|            |            |            | SP         | EPGAPSRRA  | RREPPPGNEL |
|------------|------------|------------|------------|------------|------------|
| PRGPGESRAG | PAARPPEPTA | ERAHSVDPRD | AWMLFVRQSD | KGVNGKKRSR |            |
| GKAKKLKFGF | PGPPGPPGPQ | GPPGPIIPPE | ALLKEFQLLL | KGAVRQRERA |            |
| EPEPCTCGPA | GPVAASLAPV | SATAGEDDDD | VVGDLVALLA | APLAPGPRAP |            |
| RVEAAFLCRL | RRDALVERRR | LHELGVYYLP | DAEGAFRRGP | GLNLTSGQYR |            |
| APVAGFYALA | ATLHVALGEP | PRRGPPRPRD | HLRLLCIQS  | RCQRNASLEA |            |
| IMGLESSSEL | FTISVNGVLY | LQMGTQTSVF | LDNASGCSLT | VRSGSHFSAV |            |
| LLGV       |            |            |            |            |            |

**[ IDENTIFICATION ]**



### Figure . Gene Sequencing (extract)

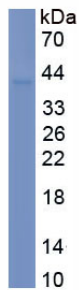


Figure. SDS-PAGE

**[ 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.