SunLong Biotech Co.,LTD
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# Recombinant Prothrombin Fragment 1+2 (F1+2)

**Catalog Number: SIPA861Ra01** **Spec: 100ug**

| | |
|---|---|
| **Product Name** | Recombinant Prothrombin Fragment 1+2 (F1+2) |
| **Catalog Number** | SIPA861Ra01 |
| **Organism Species** | Rat |
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Residues** | Ala44~Arg323 |
| **Tags** | N-terminal His Tag |
| **Subcellular Location** | Extracellular matrix |
| **Purity** | > 95% |
| **Traits** | Freeze-dried powder |
| **Buffer formulation** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 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** | 5.1 |
| **Predicted Molecular Mass** | 35.4kDa |
| **Accurate Molecular Mass** | 40kDa 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.

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**[ STORAGE AND STABILITY ]**

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

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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 ]**

ANSGFLE
ELRKGNLERE CVEEQCSYEE AFEALESPQD TDVFWAKYTV CDSVRKPRET
FMDCLEGRCA MDLGLNYHGN VSVTHTGIEC QLWRSRYPHR PDINSTTHPG
ADLKENFCRN PDSSTSGPWC YTTDPTVRRE ECSIPVCGQE GRTTVKMTPR
SRGSKENLSP PLGECLLERG RLYQGNLAVT TLGSPCLAWD SLPTKTLSKY
QNFDPEVKLV QNFCRNPDRD EEGAWCFVAQ QPGFEYCSLN YCDEAVGEEN
HDGDESIAGR TTDAEFHTFF DER

**[ IDENTIFICATION ]**

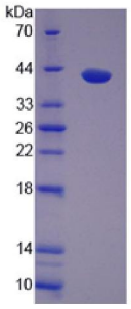



Figure. SDS-PAGE

**[ 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.