

**RPA121Ca01 50µg**

**Recombinant Stem Cell Factor Receptor (SCFR)**

**Organism Species: *Canis familiaris*; Canine (Dog)**

***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:** Gln28~Pro527

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 80%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

**Original Concentration:** 150µg/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:** 6.3

**Predicted Molecular Mass:** 59.7kDa

**Accurate Molecular Mass:** 57kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) 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 ]**

QPS VSPGEPSLPS IHPAKSELIV  
 SVGDELRLSC TDPGFVKWTF ETLGQLNENT HNEWITEKAE AGHTGNYTCT  
 NRDGLSRSIY VFVRDPAKLF LVDLPLYGKE GNDTLVRCPL TDPEVTNYSL  
 RGCEGKPLPK DLTFVADPKA GITIRNVKRE YHRLCLHCSA DQKGRTVLSK  
 KFTLKVRAAI RAVPVVSVSK TSSLLKEGEA FSVMCFIKDV SSFVDSMWIK  
 ENSQQTNAQT QSNSWHHGDF NFERQEKLII SSARVNDSGV FMCYANNTFG  
 SANVTTTLEV VDKGFINIFP MMSTTIFVND GENVDLIVEY EAYPKPEHQQ  
 WIYMNRTFTD KWEDYPKSDN ESNIRYVSEL HLTRLKGNEG GTYTFQVSNS  
 DVNSSVTFNV YVNTKPEILT HESLTNGMLQ CVVAGFPEPA VDWYFCPGA  
 QRCSVPIGPM DVQMQNSSLS PSGKLVVQSS IDYSAFKHNG TVECRAYNNV  
 GRSSAFFNFA FKGNSKEQIH PHTLFTP

## [ IDENTIFICATION ]

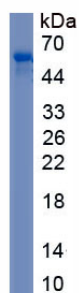


Figure. SDS-PAGE

## [ 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.