

EPA121Hu61 50µg
Eukaryotic Stem Cell Factor Receptor (SCFR)
Organism Species: *Homo sapiens (Human)*
Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Eukaryotic expression

Host: 293F cell

Residues: Gln26~Pro524

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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: 6.4

Predicted Molecular Mass: 57.6kDa

Accurate Molecular Mass: 65kDa 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 affect 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 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]

```

                                QPSVS PGEPSPPSIH PGKSDLIVRV
GDEIRLLCTD PGFVKWTFEI LDETNEKQON EWITEKAEAT NTGKYTCTNK
HGLSNSIYVF VRDPAKLFLV DRSLYGKEDN DTLVRCPLTD PEVTNYSKLG
CQ GKPLPKDL RFIPDPKAGI MIKSVKRAYH RLCLHCSVDQ EGKSVLSEKF
ILKVRPAFKA VPVVS VKAS YLLREGEEFT VTCTIKDVSS SVYSTWKREN
SQTKLQEKYN SWHHGDFNYE RQATLTISSA RVNDSGVFMC YANNTFGSAN
VTTTLEVVDK GFINIFPMIN TTVFVNDGEN VDLIVEYEAF PKPEHQWIY
MNRTFTDKWE DYPKSENE SN IRYVSELHLT RLKGTEGGTY TFLVSN SDVN
AAIAFN VYVN TKPEILTYDR LVNGMLQCVA AGFPEPTIDW YFCPGTEQRC
SASVLPVDVQ TLNSSGPPFG KLVVQSSIDS SAFKHNGTVE CKAYNDVGKT
SAYFNFAFKG NNKEQIHPHT LFTP
  
```

[IDENTIFICATION]

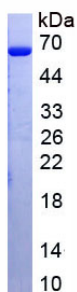


Figure. SDS-PAGE

[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.