

# Eukaryotic Stem Cell Factor (SCF) Instruction Manual

## SFPA076Ca61

*Canis familiaris*; Canine (Dog)

<b>Source</b>	Eukaryotic expression
<b>Host</b>	293F Cell
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Membrane, Secreted
<b>Predicted Molecular Mass</b>	29.5kDa
<b>Accurate Molecular Mass</b>	30/35kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Lys26~Val274 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
                KGICG KRVTDDVKDV TKLVANLPKD  
YKIALKYVPG MDVLP SHCWI SVMVEQLSVS LTDLLDKFSN ISEGLSNYSI  
IDKLVKIVDD LVECTEGYSF ENVKKAPKSP ELRLFTPEEF FRIFNRSIDA  
FKDLETVASK SSECVVSSTL SPDKDSRVSV TKPFMLPPVA ASSLRNDSSS  
SNRKASNSIG DSNLQWAAMA LPAFFSLVIG FAFGALYWKK KQPNLTRTVE  
NIQINEEDNE ISMLQEKERE FQEV
```

## USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

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.

## Image

```
ATGCGGCTCTGGGAGAGGCTGACTGCTGATGAGGAGGCTCAAAATGGTGGCAATTTGAAAGCATGAGCTACCCCTAAATGGTGGGAGTGGAGTTTCCCTGACTGCTGGATACCGGATGGTGGACATGCTGACTGCTGACTGCTGCTGCTGGCACTTTAAATTTCTGAGCCCTGAGTATCTATGATGCAAC  
K G I C G K R V T D D V E D V T H L V A N L P R D Y X I A L K Y V P G H D V I P S H C W I S V H V E Q L S V S L T D L L D K F S N I S E G L S W Y S I I D K L
```

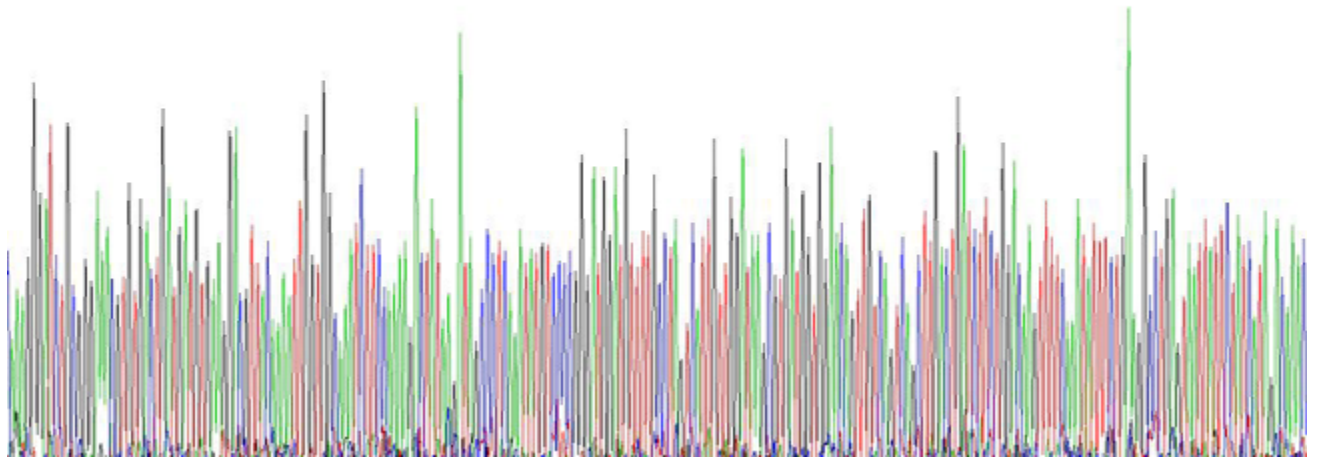


Figure. SDS-PAGE

## [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.