

# Eukaryotic Carcinoembryonic Antigen (CEA) Instruction Manual

## SFPA092Hu61

**Homo sapiens (Human)**

<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>	Secreted
<b>Predicted Molecular Mass</b>	73.0kDa
<b>Accurate Molecular Mass</b>	80kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Lys35~Ala685 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 97%
<b>Isoelectric Point</b>	5.4
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

KLTIES TP FNVAEGKE  
VLLL VHNLPQ HLFG YSWYKG ERVD GNRQII GYVIGT QQAT PGPAYSGREI  
IYPNASLLIQ NIIQNDTGFY TLHVIKSDLV NEEATG QFRV YPELPKPSIS  
SNNSKPVEDK DAVAFTCEPE TQDATYLWWV NNQSLPVSPR LQLSNGNRTL  
TLFNVTRNDT ASYKCETQNP VSARRSDSVI LNVLYGPDAP TISPLNTSYR  
SGENLNLSCH AASNPPAQYS WFVN GTFQQS TQELFIPNIT VNNSGSYTCQ  
AHNSDTGLNR TT VTTITVYA EPPKPFITSN NSNPVEDEDA VALTCEPEIQ  
NTTYLWWVNN QSLPVSPRLQ LSNDNRTLTL LSVTRNDVGP YECGIQNKL  
VDHSDPVILN VLYGPDDPTI SPSYTYYRPG VNLSLSCHAA SNPPAQYSWL  
IDGNIQQHTQ ELFISNITEK NSGLYTCQAN NSASGHSRTT VKTITVSAEL  
PKPSI SSNNs KPVEDKDAVA FTCEPEAQNT TYLWWVNGQS LPVSPRLQLS  
NGNRTLTFN VTRNDARAYV CGIQNSVSAN RSDPVTLSDLV YGPDTPIISP  
PDSSYLSGAN LNLSCHSASN PSPQYSWRIN GIPQQHTQVL FIAKITPNNN  
GTYACFVSNL ATGRNNNSIVK SITVSASGTS PGLSA

## 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



Figure. Gene Sequencing (Extract)

### Image

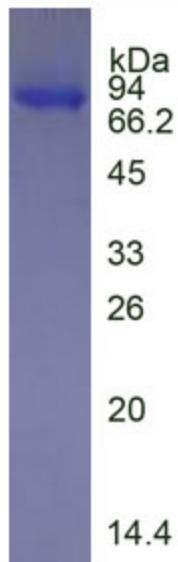


Figure. SDS-PAGE

**[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.