Recombinant Epidermal Growth Factor (EGF) Instruction Manual

SIPA146Po01

Sus scrofa; Porcine (Pig)

Source Prokaryotic expression

Host E.coli

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular LocationMembranePredicted Molecular Mass33.1kDa

Accurate Molecular Mass 33kDa(Analysis of differences refer to the manual)

Residues & Tags Ala45~His275 with N-terminal His Tag

Buffer Formulation PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5%

Trehalose and Proclin300.

Traits Freeze-dried powder

Purity > 97% Isoelectric Point 5.8

Applications Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

				APFLIF
SHGNSIFRID	LEGTNHEQLV	ADAGISVLMD	FHYNEERIYW	VDLERQLLQR
VFLNGTRQEK	VCNLEKNVSG	MAINWINEEL	IWSNQQEGTI	TVTDMKGNNS
RVLLSALKYP	ANVAVDPVER	LMFWSSVVAG	SLHRADVTGV	EVRLLLETSE
EIAAVSLDVL	DKRLFWIQYN	REGGSSRICS	CDYDGGSVHF	SKHLTQHNVF
AMSLFGDHIF	YSTWKKKTIW	VANKH		

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

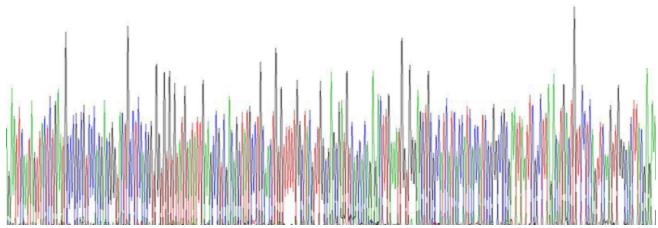


Figure. SDS-PAGE

[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.