

Recombinant Coagulation Factor XII (F12) Instruction Manual

SIPA622Ra06

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	67.8kDa
Accurate Molecular Mass	70kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala20~Arg353 with N-terminal His and GST Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	8.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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A PPWKSKEFKD GAGDPSVVLV VDGKLCHFPP  
QYHRRLYHKC IHKGQPGSRP WCATTPNFDE DQQWGYCLEP KVKVDHCSKH  
SPCHKGGTCV NTPNGPHCLC PEHLTGKHCQ REKCFESQLL KFFHENEIWF  
RTGPGGVARC QCKGPQAVCK LLTSQVCRVN PCLNGGTCLL VEDHRLCHCP  
AGYAGPFCDL DLKATCYEDR GLSYRQAKT TLSGAPCQRW ASEATYRNMT  
ETQALSWGLG HHAFCRNPDN DTRPWCYVWS GDRLSWDYCD LEQCQMPTLT  
SPVSPESHDM LKPRPPILQM PQFPSLSDAL DNSTRNQNVV SRTSTVVCGQ  
RFR
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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

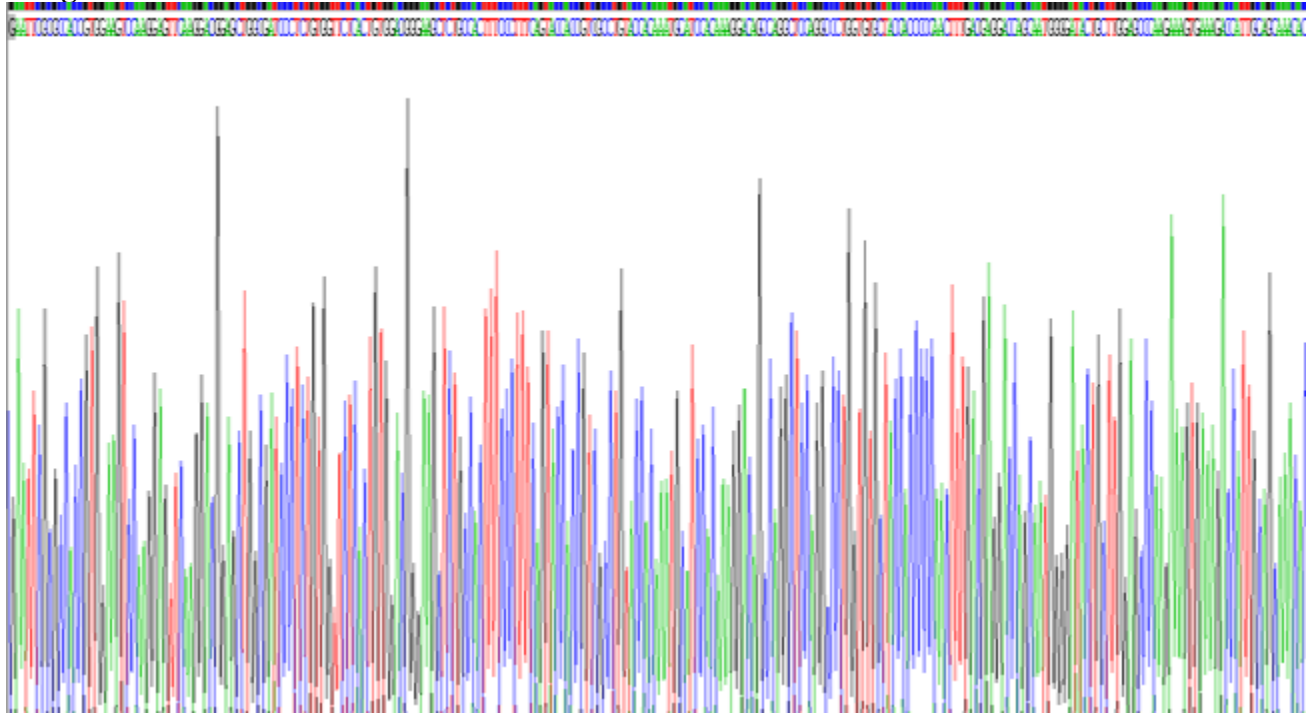


Figure. SDS-PAGE

[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.