RPB267Ra01 100µg

Recombinant Kininogen 1 (KNG1)

Organism Species: *Rattus norvegicus (Rat)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Gln19~Arg380

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 1mM DTT, 0.01% SKL, 5% Trehalose .

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: 5.2

Predicted Molecular Mass: 43.9kDa

Accurate Molecular Mass: 48kDa 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 affects 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 ddH_2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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]

QE EDAQEMDCND ESLFQAVDTA LKKYNAGLKS
GNQFVLYQVT EGTKKDGSKT FYSFKYQIKE GNCSVQSGFA WQDCDFKDAE
EAATGECTAT LEKRRNNKFS IATQICNITP GKGPIVTNEY HCLGCMHPIS
VDSPELGPVL KHAVEHFNNN TKHTHLFALG EVKSADRQVV AGMNYQIIYS
IVQTNCSKED FPSLHEDCVP LPSGDDGECK GNAFVDIHKT IAGFSDSCEF
YPGDDLFELL PEDCPGCPRN IPVDSPELKE ALGHSIAQLN AENNHTFYFK
IDTVKKATSQ VVAGTKYVIE FIARETKCSK ESNAELTADC ETKRLGQSLN
CNANVYMRPW ENKVVPTVKC KVLDMTSVIR

[IDENTIFICATION]

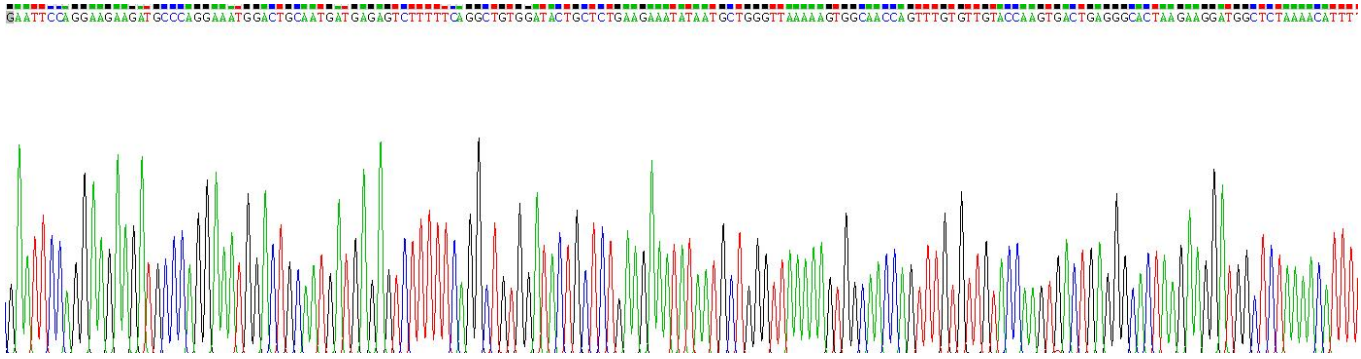
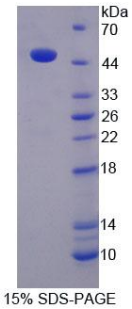


Figure . Gene Sequencing (extract)



15% 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.