RPC419Mu01 10µg

Recombinant Cathelicidin Antimicrobial Peptide (CAMP)

Organism Species: *Mus musculus (Mouse)*

*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: Ser31~Glu172
Tags: N-terminal His and GST Tag
Subcellular Location: Secreted
Purity: > 97%
Traits: Freeze-dried powder
Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 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: 6.5
Predicted Molecular Mass: 48.1kDa
Accurate Molecular Mass: 47kDa as determined by SDS-PAGE reducing conditions.

[ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.
  Store at 2-8°C for one month.
  Aliquot and store at -80°C 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]
SYRDAVLRAV DDFNQQSLDT
NLYRLLDLDP EPQGDEPDFT PKSVRFRVKE TVCGKAERQL PEQCAFKEQG
VVKQCMGAVT LNPAADSFDI SCNEPGAQPF RFKISRLAG LLRKGGEKIG
EKLKKIGQKI KNFFQKLVPQ PE

[IDENTIFICATION]

Figure. Gene Sequencing (extract)

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.