

RPA889Ca01 100µg

**Recombinant Renin (REN)** 

Organism Species: Canis familiaris; Canine (Dog)

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: Leu66~Arg403

Tags: N-terminal His and GST Tag

Subcellular Location: Membrane, Secreted

**Purity:** > 97%

Traits: Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 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: 4.9

Predicted Molecular Mass: 66.7kDa

**Accurate Molecular Mass:** 67kDa 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 ]



```
LSSGN STSPVVLTNY LDTQYYGEIG IGTPPQTFKV
VFDTGSANLW VPSTRCSPLY TACEIHCLYD SSESSSYMEN GTTFTIRYGS
GKVKGFLSQD MVTVGGITVT QTFGEVTELP LIPFMLAKFD GVLGMGFPAQ
AVGGVTPVFD HILSQGVLKE EVFSVYYSRN SHLLGGEVVL GGSDPQYYQG
NFHYVSISKT GSWQIKMKGV SVRSATLVCE EGCMVVVDTG ASYISGPTSS
LRLLMDTLGA QELSTNEYVV NCNQVPTLPD ISFHLGGRAY TLTSKDYVLQ
DPYGNEDLCT LALHGLDVPP PTGPVWVLGA SFIRKFYTEF DRHNNRIGFA
LAR
```

### [ IDENTIFICATION ]

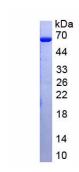


Figure. SDS-PAGE

# [ 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.