Recombinant Renin (REN) Instruction Manual

SIPA631Ca01

Canis familiaris; Canine (Dog)

Source Prokaryotic expression

Host E.coli

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

Subcellular Location Membrane, Secreted

Predicted Molecular Mass 66.7kDa

Accurate Molecular Mass 67kDa(Analysis of differences refer to the manual)
Residues & Tags Leu66~Arg403 with N-terminal His and GST Tag

Buffer Formulation 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Traits Freeze-dried powder

Purity > 97% Isoelectric Point 4.9

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

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

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

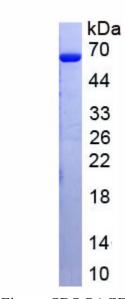


Figure. SDS-PAGE

[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.