

## 32-13381: REN Mouse

**Alternative Name :** Renin-1, Angiotensinogenase, Kidney renin, Ren1, Ren, Ren-A, Ren1c, Ren1d, Rn-1, Rnr.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Renin is a highly specific endopeptidase which generates angiotensin I from angiotensinogen in the plasma. angiotensin I is an important regulator of blood pressure and electrolyte balance. Renin initiates a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.

REN produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 387 amino acids (22-402 a.a.) and having a molecular mass of 42.5kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).REN is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** REN protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** LPTRTATFER IPLKKMPSVR EILEERGVDM TRLSAEWGVF TKRPSLTNLT SPVVLTYNLYN TQYYGEIGIG  
TPPQTFKVIF DTGSANLWVP STKCSRLYLA CGIHSLYESS DSSSYMENG S DFTIHYGSGR VKGFLSQDSV  
TVGGITVTQT FGEVTEPLI PFMLAKFDGV LGMGFPAQAV GGVTPVFDHI LSQGVLKKEEV FSVYYNRGSH  
LLGGEVVLGG SDPQHYQGNF HYVSISKTDS WQITMKGVSV GSSTLLCEEG CAVVVDTGSS FISAPTSSLK  
LIMQALGAKE KRIEYVVCNC SQVPTLPDIS FDLGGRAYTL SSTDYVLQYP NRRDKLCTLA LHAMDIPPT  
GPVWVLGATF IRKFYTEFDR HNNRIGFALA RHHHHHHH.