

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 EILEERGVD M TRLSAEWGVF TKRPSLTNLT SPVVLTNLYN
TQYYGEIGIG TPPQTFKVIF DTGSANLWVP STKCSRLYL A CGIHSLYESS DSSSYMENG S
DFTIHYGSGR VKGFLSQDSV TVGGITVTQT FGEVTELPLI PFMLAKFDGV LGMGFPAQAV
GGVTPVFDHI LSQGV LKEEV FSVYYNRGSH LLGGEVVLGG SDPQHYQGNF HYVSISK TDS
WQITMKGVS V GSSTLLCEEG CAVVVD TGSS FISAPTSSLK LIMQALGAKE KRIEEYV VNC
SQVPTLPDIS FDLGGRAYTL SSTDYVLQYP NRRDKLCTLA LHAMDIP PPT GPVWVLGATF
IRKFYTEFDR HNNRIGFALA RHHHHHHH.