

32-13382: REN Human, sf9

Alternative Name : REN, HNFJ2, Renin, Angiotensinogenase.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear 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 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 391 amino acids (24-406) and having a molecular mass of 43.3kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).REN is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90.0% as determined by analysis by SDS-PAGE.

Content : REN protein solution (0.25mg/ml) containing 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 : LPTDTTTFKR IFLKRMPsir ESLKRGVDM ARLGPEWSQP MKRLTLGNTT SSVILTNYMD TQYYGEIGIG
TPPQTFKVVV DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT ELTLRYSTGT VSGFLSQDII
TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI GRVTPIFDNI ISQGVLKEDV FSFYNNRDSE
NSQSLGGQIV LGGSDPQHYE GNFHYINLIK TGVWQIQMKG VSVGSSTLLC EDGCLALVDT GASYISGSTS
SIEKLMEALG AKKRLFDYVV KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP
PTGPTWALGA TFIRKFYTEF DRRNNRIGFA LARLEHHHHH H.