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Renin-1, 22-402aa, Mouse, His tag, Insect cell

产品货号: TP03713

第三版

别名: Ren1, Ren, Ren-A, Ren1c, Ren1d, Rn-1, Rnr, Angiotensinogenase, Kidney renin

描述:REN1, also known as Renin-1, is a member of the peptidase A1 family. It is synthesized by the juxtaglomerular cells of the kidney in response to decreased blood pressure and sodium concentration. Androgen and thyroid hormones influence levels of Renin-1 in mouse submandibular gland (SMG) primarily by regulating the amount of Renin-1 mRNA available for translation. This protein is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. Also, REN1 was found to be co localized with the lysosomal marker, beta-glucuronidase, by double-fluorescent labeling. Recombinant mouse REN1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

分子量:42.5kDa (387aa) 40-57KDa (SDS-PAGE under reducing conditions.)

序列:

LPTRTATFERIPLKKMPSVREILEERGVDMTRLSAEWGVFTKRPSLTNLTSPVVLNTNYLNTQYYGEIGIGTPPQTFKVFIDTGS
ANLWVPSTKCSRLYLACGIHSLYESSDSSSYMENGSDFTIHYGSGRVKGFSLQDSVTVGGITVTQTFGEVTEPLIPFMLAKF
DGVLMGFPAQAVGGVTPVFDHILSQGVLKEEVFSVYYNRGSHLLGGEVVLGGSDPQHYQGNFHYVSISKTDSWQITM
KGVSVGSSTLLCEEGCAVVVDTGSSFISAPTSSLKIMQALGAKEKRIEYVVCNSQVPTLPDISFDLGGRAYTLSSTDYVLQ
YPNRRDKLCTLALHAMDIPPTGPVWVLGATFIRKFYTEFDRHNNRIGFALARHHHHHH

纯度:> 95% by HPLC

浓度:0.25mg/ml (determined by Absorbance at 280nm)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.