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REN, 67-406aa, Human, His tag, E.coli

产品货号: TP03712

第三版

别名: Renin, HNFJ2

描述: Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release, vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described, but their full-length nature has not been determined. Mutations in this gene have been shown to cause familial hyperproreninemia. Recombinant human REN protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

分子量: 39.9kDa (365aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSHMLTLGNTTSSVILTNYMDTQYYGEIGIGTPPQTFKVVFDTGSSNVWVPSSKCSRL
YTACVYHKLFDASDSSSYKHNGTELTLYSTGTVSGFLSQDIITVGGITVTQMFGEVTEMPALPFMLAEFDGTVGMGFIEQ
AIGRVTPIFDNIISQGV LKEDVFSFYNNRDSSENSQLGGQIVLGGSDPQHYEGNFHYINLIKTGVWQIQMKGVS VGSSTLLC
EDGCLALVDTGASYISGSTSSIEKLMEALGAKKRLFDYVVKCNEGPTLPDISFHLGGKEYTLTSADYVFQESYSSKKLCTLAI
HAMDIPPTGPTWALGATFIRKFYTEFDRRNNRIGFALAR

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

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.