

Recombinant Rat Ren protein, His-tagged

Cat. No. Ren-695R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ren(65–402 aa) fused with His tag at C-terminal was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	65-402 a.a.
Description	Renin is a protease that is synthesized by the kidneys. Renin catalyzes the hydrolysis of angiotensinogen to angiotensin I, which is converted to angiotensin II, a highly potent vasoconstrictor. Renin inhibitors have been used therapeutically in the treatment of hypertension (high blood pressure).
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.
Molecular Mass	38.5 kDa
Purity	>90%
Storage	>6 months at -80 centigrade. Avoid freeze/thaw cycles.
Concentration	1.26 mg/ml

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Ren renin [Rattus norvegicus]
Official Symbol	Ren
Synonyms	REN; renin; angiotensinogenase; renin 1 structural; Ren1; RENAA; RATRENAA;
Gene ID	24715
mRNA Refseq	NM_012642
Protein Refseq	NP_036774
MIM	
UniProt ID	P08424
Chromosome Location	13q13
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Renin - Angiotensin System, organism-specific biosystem; Renin-angiotensin system, organism-specific biosystem; Renin-angiotensin system, conserved biosystem;
Function	aspartic-type endopeptidase activity; aspartic-type endopeptidase activity; endopeptidase activity; endopeptidase activity; insulin-like growth factor receptor binding; peptidase activity; peptidase activity; receptor binding; receptor binding;

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