

Active Native Human Renin

Cat. No. REN-245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified Native Human Kidney Renin. E.C. Number: 3.4.23.15
Species	Human
Source	Human Kidney
Description	Early detection of HUMAN RENIN level increases related to blood pressure increase have shown in research to provide vital prognostic and diagnostic guidelines for evaluating possible surgical treatment especially in renovascular involvement.
Form	Liquid
Bio-activity	Typically >1 u/mL
Purity	>90%
Unit Definition	Renin Activity was measured by following the cleavage of the fluorogenic substrate Arg-Glu(EDANS)-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Thr-Lys(dabcyl)-Arg at pH 8.0 and 37C
Storage	Store at 2-8 °C.
Concentration	Typically >0.1 mg protein/mL

GENE INFORMATION

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Gene Name	REN renin [Homo sapiens]
Official Symbol	REN
Synonyms	REN; renin; angiotensinogenase; renin precursor, renal; angiotensin-forming enzyme; HNFJ2; FLJ10761;
Gene ID	5972
mRNA Refseq	NM_000537
Protein Refseq	NP_000528
MIM	179820
UniProt ID	P00797
Chromosome Location	1q32
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Renin-angiotensin system, organism-specific biosystem; Renin-angiotensin system, conserved biosystem;
Function	aspartic-type endopeptidase activity; insulin-like growth factor receptor binding; peptidase activity; receptor binding;

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