

Recombinant Dog Renin, His-tagged

Cat. No. REN-5472D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DogRenin is produced from the proenzyme Prorenin by proteolytic cleavage of a 43amino acid N-Terminal prosegment using limited enzymatic digestion byimmobilized Trypsin. Conversion to active Renin is >98%.
Species	Dog
Source	HEK293
Description	Renin (REN), alsoknown as Angiotensinogenase, is a cleaved aspartyl protease that is specifcfor only one substrate, Angiotensinogen. REN participates in theRenin-Angiotensin System (RAS) thereby mediating extracellular volume (i. e.that of the blood plasma, lymph and interstitial fluid), and arterialvasoconstriction.
Form	Frozen Liquid in0.05 M Tris-HCl pH 8.0.
Concentration	1.0 mg/mL
Molecular Weight	41.7 kDa
Volume	0.1 mL
Storage	Store at -70°C.
OfficialSymbol	REN

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Pathways ACE InhibitorPathway; Renin-angiotensin system

GENE INFORMATION

Gene Name REN renin [*Canis lupusfamiliaris*]

Synonyms REN; rennin;angiotensinogenase; EC 3.4.23.15; Renin; Angiotensinogenase

Gene ID 403838

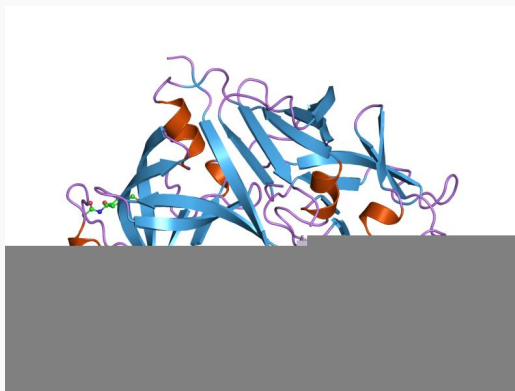
mRNA Refseq NM_001003194

Protein Refseq NP_001003194

UniProt ID Q6DYE7

**Chromosome
Location** 38

**PDB rendering
basedon 2ren.**



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