

Recombinant Full Length Human REN, His-tagged

Cat. No. REN-317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human REN(NP_000528.1)(Met 1-Arg 406) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-406 aa
Form	Lyophilized from sterile 25mM MES, 150mM NaCl, pH6.5.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human RENIN-His at 10 µg/ml (100 µl/well) can bind biotinylated human AGT-His with a linear range of 0.156-5.0 µg/ml.
Molecular Mass	The secreted recombinant human Renin is a monomeric protein after cleavage of the signal peptide. The form consists of 394 amino acids and predicts a molecular mass of 43.7 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 50 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

protein Refseq-Weblink

http://www.ncbi.nlm.nih.gov/protein/NP_000528.1

Unit ID

P00797

Unit ID-Weblink

<http://www.uniprot.org/uniprot/P00797>

GENE INFORMATION

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

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