

Active Recombinant Human REN Protein, His-tagged

Cat. No. REN-1111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human REN (Accession # P00797) Leu24-Arg406, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Leu24-Arg406
Predicted N Terminal	Leu24
Form	Supplied as a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Arg-Glu(EDANS)-Ile-His-Pro-Phe-His-Pro-Phe-His-Leu-Val-Ile-His-Thr-Lys(dabcyl)-Arg. The specific activity is >20 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human REN, His-tagged has a calculated MW of 44 kDa. In SDS-PAGE migrates as 44 kDa and 51 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
UniProt ID	P00797
Chromosome Location	1q32

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