

Recombinant Human REN Protein

Cat. No. REN-083H **Lot. No.** (See product label)

SPECIFICATION

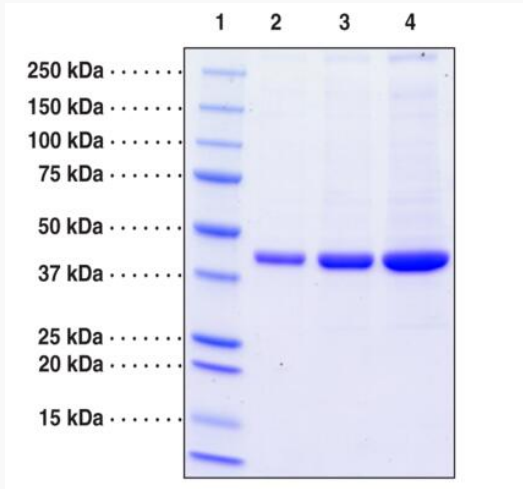
Product Overview	Recombinant full length human prorenin protein (1-406) without tag was expressed in HEK cells.
Species	Human
Source	HEK293
ProteinLength	1-406
Description	Prorenin is the inactive precursor of renin, which is a key enzyme in the regulation of blood pressure and electrolyte balance. In renal juxtaglomerular cells, sequential cleavage of the N-terminal 20 and 46 amino acids of preprorenin produces prorenin and active renin, respectively.
Molecular Mass	45 kDa
Purity	≥85% estimated by SDS-PAGE
Stability	≥ 1 year
Storage	At -80 centigrade.
Storage Buffer	50mM Tris-HCl pH 8.0, with 150 mM sodium chloride, 5% Glycerol

GENE INFORMATION

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Gene Name	REN renin [Homo sapiens (human)]
Official Symbol	REN
Synonyms	REN; renin; RTD; HNFJ2; ADTKD4; renin; angiotensin-forming enzyme; angiotensinogenase; renin precursor, renal; EC 3.4.23.15
Gene ID	5972
mRNA Refseq	NM_000537
Protein Refseq	NP_000528
MIM	179820
UniProt ID	P00797
SDS-PAGE analysis of Prorenin	 Lane 1: MW Markers Lane 2: Prorenin (1)



μg)

Lane 3: Prorenin (2 μg)

Lane 4: Prorenin (4 μg)

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