

REN recombinant protein

REN, 24-406aa, Human, His tag, Baculovirus

CATALOG # AAA48929	HOST Baculovirus	APPLICATIONS SDS-Page
------------------------------	----------------------------	---------------------------------

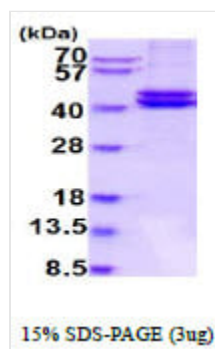
PRODUCT SYNONYMS

REN; 24-406aa; Human; His tag; Baculovirus; Renin; HNFJ2; Angiotensin forming enzyme; Angiotensin forming enzyme precursor; Angiotensinogenase; Angiotensinogenase precursor; FLJ10761; Ren1; RENI_HUMAN; Renin precursor renal; REN recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	LPTDTTTFKR IFLKRMPSIR ESLKERGVDM ARLGPEWSQP MKRLTLGNNT SSVILTNYMD TQYYGEIGIG TPPQTFKVVV DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT ELTLRYSTGT VSGFLSQDII TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI GRVTPIFDNI ISQGVLKEDV FSFYYNRDSE NSQSLGGQIV LGGSDPQHYE GNPHYINLIK TGWVQIQMKG VSVGSSTLLC EDGCLALVDT GASYSIGSTS SIEKLMEALG AKKRLFDYVV KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP PTGPTWALGA TFIRKFYTEF DRRNNRIGFA LARLEHHHHH H
Sequence Length	406
Applicable Applications for REN recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for REN recombinant protein	REN, also known as renin, is a member of the peptidase A1 family. It is synthesized by the juxtaglomerular cells of the kidney in response to decreased blood pressure and sodium concentration. It is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. Recombinant human REN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques
Product Categories/Family for REN recombinant protein	Cardiovascular
References	Nguyen G.,et al. (2014) Hypertension. 63:297-302.; Nabi AH.,et al. (2012) Biochem Biophys Res Commun. 428:506-511.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506475
NCBI GeneID	5972
NCBI Accession #	NP_000528
NCBI GenBank Nucleotide #	NM_000537.3
UniProt Accession #	P00797; Q6FI38; Q6T5C2
Molecular Weight	43.3kDa (391aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Official Full Name	renin preproprotein
NCBI Official Synonym Full Names	renin
NCBI Official Symbol	REN
NCBI Official Synonym Symbols	HNFJ2
NCBI Protein Information	renin
UniProt Protein Name	Renin
UniProt Gene Name	REN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ren-recombinant-protein-baculovirus-sds-page/48929>