

REN recombinant protein

REN, 67-406aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48850	HOST E Coli	APPLICATIONS SDS-Page
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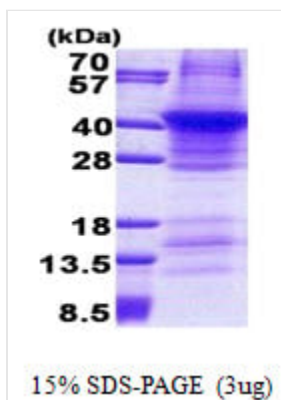
PRODUCT SYNONYMS

REN; 67-406aa; Human; His tag; E Coli (Denatured); Renin; HNFJ2; REN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSHTMLGN TTSSVILTNY MDTQYYGEIG IGTPPQTFKV VFDTGSSNVW VPSSKCSRLY TACVYHKLFD ASDSSSYKHN GTELTLRYST GTVSGFLSQD IITVGGITVT QMFGEVTEMP ALPFMLAEFD GVVGMGFIEQ AIGRVTPIFD NIISQGVLE DVFSFYNRD SENSQSLGGQ IVLGGSDPQH YEGNFHYINL IKTGVWQIQM KGVSVGSSTL LCEDGCLALV DTGASYISGS TSSIEKLMEA LGAKKRLFDY VVKCNEGPTL PDISFHLGGK EYLTSAADYV FQESYSSKKL CTLAIHAMD I PPPTGPTWAL GATFIRKFYT EFDRRNNRIG FALAR
Sequence Length	406
Applicable Applications for REN recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
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	Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release, vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described, but their full-length nature has not been determined. Mutations in this gene have been shown to cause familial hyperproreninemia. Recombinant human REN protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for REN recombinant protein	Metabolism
References	Gribouval O., et al. (2005) Nat. Genet. 37:964-968; Zivna M., et al. (2009) Am. J. Hum. Genet. 85:204-213

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	39.9kDa (365aa)
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.

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Online datasheet: <https://stage.aaabiotech.com/ren-recombinant-protein-e-coli-sds-page/48850>