

AR51001PU-S

Human Renin (67-406, His-tag) - Purified

Alternate names:

Angiotensinogenase, HNFJ2, REN, angiotensin-forming enzyme

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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, wh

Uniprot ID:

[P00797](#)

NCBI:

[NP_000528](#)

GeneID:

[5972](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMLTLGN TTSSVILTNY MDTQYYGEIG IGTPPQTFKV
VFDTGSSNVW VPSSKCSRLY TACVYHKLFD ASDSSSYKHN GTELTLYST GTVSGFLSQD
IITVGGITVT QMFGEVTEMP ALPFMLAEFD GVVGMGFIEQ AIGRVPIFD NIISQGVLKE
DVFSFYNRD SENSQSLGGQ IVLGGSDPQH YEGNFHYINL IKTGVWQIQM KGVSVGSSTL
LCEDGCLALV DTGASYISGS TSSIEKLMEA LGAKKRLFDY VVKCNEGPTL PDISFHLGGK
EYTLTSADYV FQESYSSKKL CTLAIHAMD I PPPTGPTWAL GATFIRKFYT EFDRRNNRIG FALAR

Molecular weight: 39.9 kDa (365aa)

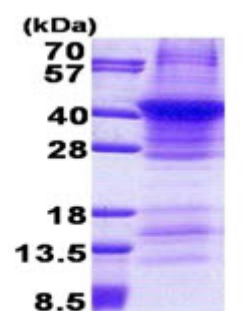
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Gribouval O., et al. (2005) Nat. Genet. 37:964-968 Zivna M., et al. (2009) Am. J. Hum. Genet. 85:204-213

Pictures:



15% SDS-PAGE (3ug)