

Renin Human Recombinant

Item Number	rAP-4652
Synonyms	Renin, Angiotensinogenase, EC 3.4.23.15, HNFJ2, Angiotensin-Forming Enzyme, Renin Precursor Renal, EC 3.4.23.
Description	REN Human Recombinant produced in E. coli is a single polypeptide chain containing 365 amino acids (67-406) and having a molecular mass of 39.9kDa. REN is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P00797
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMLGN TTSSVILTNY MDTQYYGEIG IGTPPQTFKV VFDTGSS-NWW VPSSKCSRLY TACVYHKLFD ASDSSSYKHN GTELTLYST GTVSGFLSQD IITVGGITVT QMFGEVTEMP ALPFMLAEFD GVVGMGFIEQ AIGRVTPIFD NIISQGVLE DVFSFYNNRD SENS-QLGGQ IVLGGSDPQH YEGNFHYINL IKTGVWQIQM KGVSVGSSTL LCEGCLALV DTGASYISGS TSSIEKLMEA LGAKKRLFDY VVKCNEGPTL PDISFHLGGK EYTLTSADYV FQESYSSKKL CTLAIHAMD I PPPTGPTWAL GATFIRKFYT EFDRRNNRIG FALAR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The REN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**