

# Renin (HIS-tagged), Human CellExp™, Human Recombinant

CATALOG #:	6300-10	10 µg
	6300-50	50 µg
	6300-100	100 µg
ALTERNATE NAMES:	Angiotensinogenase, REN.	
SOURCE:	Human Embryonic Kidney (HEK) cells	
PURITY:	> 95% by SDS – PAGE analysis	
MOL. WEIGHT:	40 kDa (contains 8x HIS tag at the CT)	
FORMULATION:	0.74 mg/ml solution in 0.05M Tris-HCl and 0.05 M NaCl; pH 8.0	
STORAGE CONDITIONS:	Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	
SPECIFIC ACTIVITY:	99.996 % active (< 17 ng/ml prorenin by ELISA)	
EXTINCTION COEFFICIENT:	1.1	
SHELF LIFE:	~3 years when stored at appropriate temperature under appropriate conditions.	

**DESCRIPTION:** Renin is an aspartyl protease that is specific for only one substrate, angiotensinogen. Prorenin is a glycosylated aspartic protease that consists of 2 homologous lobes and is the precursor of renin. Prorenin exhibits a low level of enzymatic activity relative to renin. BioVision's human renin is produced from the proenzyme prorenin by proteolytic cleavage of a 43 amino acid N-terminal prosegment using limited enzymatic digestion by immobilized trypsin and purified by affinity chromatography. Conversion to active renin is >99.99 percent.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

## RELATED PRODUCTS:

ACE2 (human) ELISA Kit (Cat. No. K4918-100)

Angiotensin II (Cat. No. 4917-5)

JM6 (Cat. No. 1913-5, -25)

Pepstatin A (Cat. No. 1732-25, -100)

Renin Inhibitor (Cat. No. 2084-5, -25)

Ro 61-8048 (Cat. No. 1912-5, -25)

Valsartan (Cat. No. 2004-25, 100, 500)