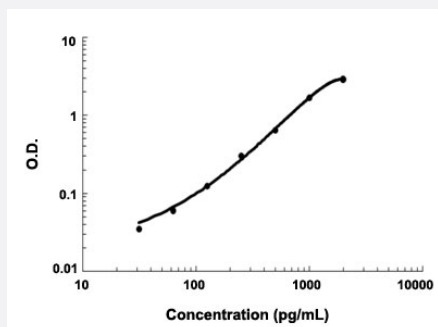


REN (Human) ELISA Kit

Catalog # KA4278 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	REN (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human REN.
Suitable Sample	Cell culture supernates, Plasma (EDTA, heparin), Serum and Urine
Sample Volume	100 μ L
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	31.2 to 2000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — REN

Entrez GeneID [5972](#)

Gene Name REN

Gene Alias FLJ10761

Gene Description renin

Omim ID [179820](#) [267430](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations OTTHUMP00000034311|angiotensin-forming enzyme|angiotensinogenase|renin precursor, renal

Pathway

- [Renin-angiotensin system](#)

Disease

- [Alzheimer disease](#)
- [Arrhythmias](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)

- [Carotid Stenosis](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Death](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Emergencies](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hyperaldosteronism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)

- [Renal Insufficiency](#)
- [Tobacco Use Disorder](#)