



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Renin Human (r-Renin)
ACTIVITY:	Typically 1mg/ml
CAT. NO:	I510-11R
FORM:	100mM Na Acetate, pH 4.2
MOLECULAR WEIGHT:	~40 kd
PURITY:	>99% by SDS-PAGE
SOURCE:	HEK Cells-Recombinant
STORAGE:	-20 C

Recombinant Human Renin bulk quantities from 10-500mg single lot sizes. customs fills for human recombinant renin available.

Recombinant human pro-renin was expressed in HEK cells, converted to renin, an active enzyme was purified using peptide affinity chromatography.

Human recombinant Renin Activity was measured by the cleavage of a fluorescent peptide substrate (Arg-Glu(EDANS)-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Thr-Lys(dabcyl)-Arg) from Molecular Probes (Cat # R-2931) and Renin activity was detected in a microplate format using a SpectroMax Gemini microplate reader. recombinant human Renin activity was measured as ~100 FU/min/g protein at the Km. Recombinant human Renin protein concentration was determined using amino acid analysis