

## Recombinant Human Renin Protein

Catalog #	Source	Reactivity	Applications
CRP2800	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human Renin Protein is produced by mammalian expression system and the target gene encoding Leu24-Arg406 is expressed with a 10His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
<b>Gene Symbol</b>	REN		
<b>Alternative Names</b>	Renin; Angiotensinogenase		
<b>Entrez Gene</b>	5972 (Human)		
<b>SwissProt</b>	P00797 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>LPTDTTTFKR IFLKRMPSIR ESLKERGVDM ARLGPEWSQP MKRLTLGNTT SSVILTNYMD            TQYYGEIGIG TPPQTFKVVV DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT            ELTLRYSTGT VSGFLSQDII TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI            GRVTPIFDNI ISQGVLKEDV FSFYNRDSE NSQSLGGQIV LGGSDPQHYE GNFHYINLIK            TGVWQIQMKG VSVGSTLLC EDGCLALVDT GASYSISGSTS SIEKLMEALG AKKRLFDYVV            KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP PTGPTWALGA            TFIRKFYTEF DRRNNRIGFA LARGGGGSHH HHHHHHHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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