ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Renin Human Recombinant, HEK

Item Number	rAP-4653
Synonyms	Renin, Angiotensinogenase, EC 3.4.23.15, HNFJ2, Angiotensin-Forming Enzyme, Renin Precursor Renal, EC 3.4.23.
Description	Renin Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Leu24-Arg406) containing a total of 393 amino acids, having a calculated molecular mass of 43.7kDa and fused to a 10 aa His tag at C-Terminus.
Uniprot Accesion Number	P00797
Amino Acid Sequence	LPTDTTTFKR IFLKRMPSIR ESLKERGVDM ARLGPEWSQP MKRLTLGNTT SSVILTNYMD TQYYGEIGIG TPPQTFKVVF DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT ELTLRYSTGT VSGFLSQDII TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI GRVTPIFDNI ISQGVLKEDV FSFYYNRDSE NSQSLGGQIV LGGSDPQHYE GNFHYINLIK TGVWQIQMKG VSVGSSTLLC EDGCLALVDT GASYISGSTS SIEKLMEALG AKKRLFDYVV KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP PTGPTWALGA TFIRKFYTEF DRRNNRIGFA LAR HHHHHHH HHH.
Source	HEK 293.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	REN was filtered (0.4μm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% (w/v) trehalose. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200μl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. REN is not sterile! Please filter the product by an appropriate sterile filter before using i
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

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