

RPPB4442

Product Information Protein Information

Product SKU:

RPPB4442

Accession:

P00797

Host:

HEK 293.

Protein 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.

Appearance:

Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Renin, Angiotensinogenase, EC 3.4.23.15, HNFJ2, Angiotensin-Forming Enzyme, Renin Precursor Renal, EC 3.4.23.

Formulation:

REN was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% (w/v) trehalose.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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 it in the cell culture.

Stability:

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.

Amino Acid Sequence:

LPTDTTTTFKR IFLKRMPISIR ESLKERGVDM ARLGPEWSQP MKRLTLGNTT SSVILTNYMD TQYYGEIGIG
TPPQTFKVVV DTGSSNVWVP SSKCSRLYTA CVYHKLFDAS DSSSYKHNGT ELTLRYSTGT VSGFLSQDII
TVGGITVTQM FGEVTEMPAL PFMLAEFDGV VGMGFIEQAI GRVTPIFDNI ISQGVLKEDV FSFYNRDSE
NSQSLGGQIV LGGSDPQHYE GNFHYNLIK TGWVQIQMKG VSVGSSTLLC EDGCLALVDT GASYSIGSTS
SIEKLMEALG AKKRLFDYVV KCNEGPTLPD ISFHLGGKEY TLTSADYVFQ ESYSSKKLCT LAIHAMDIPP
PTGPTWALGA TFIRKFYTEF DRRNNRIGFA LAR HHHHHHHH HHH.