

Recombinant Human Renin/REN Protein

Catalog No.: RP01175 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5972	P00797

Tags

C-His

Synonyms

HNFJ2;REN;renin;Renin

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
43.16 kDa	44-51 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human Renin/REN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu24-Arg406) of human Renin (Accession #NP_000528.1.) fused with a 8×His tag at the C-terminus.

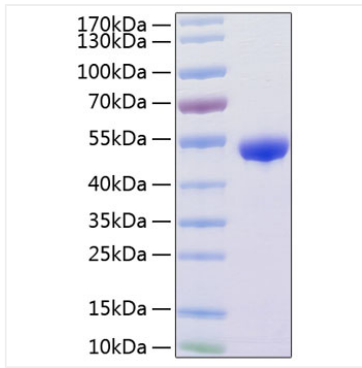
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human REN Protein at 0.5 μg/mL (100 μL/well) can bind Renin Rabbit pAb with a linear range of 1.9-302.7 ng/mL.

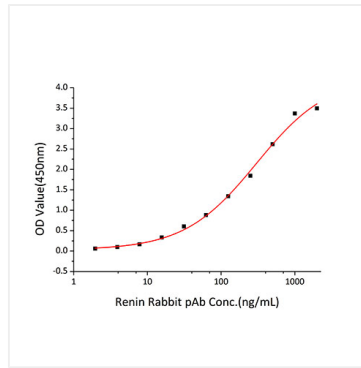
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Renin/REN Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 44-51 kDa..



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