

Recombinant Mouse REN1/Renin-1 Protein (His Tag)

RPES3205

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES3205

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 50µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Mouse

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: Angiotensin-forming enzyme, Angiotensinogenase, Kidney renin, Ren, Ren-1, Ren-A, Ren1, Ren1c, Ren1d, Renin-1, Rn-1, Rnr

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: Measured by its ability to cleave the fluorogenic peptide substrate 5-FAM/QXL™ 520 (Peti-Peterdi, J. et al., 2009, Physiology 24:88.). The specific activity is > 20 pmoles/min/µg. 2. Immobilized mouse REN1-His at 10ug/ml (100 µl/well) can bind biotinylated human AGT-His with a linear range of 31. 25-250 ng/ml.

Calculated MW: 43.2 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 48-55 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_112469.1

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Mouse REN1/Renin-1 protein Met 1-Arg 402, with an C-terminal His

Sequence: Met 1-Arg 402

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder