

CHASELECTION

Recombinant Mouse Renin, Tag Free

货号(Catalog Number): CY171FXXXX(L)

别名(synonym):

angiotensin-forming enzyme; Angiotensinogenase;
EC 3.4.23; REN; renin precursor, renal.

来源(Source):

Human embryonic kidney cell,
HEK293-derived mouse Renin protein.

蛋白结构 (Structure):

该蛋白不含标签

基因 ID: P06281.

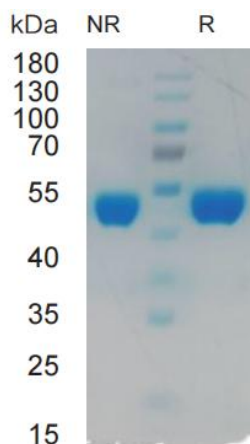
分子量大小(MW):

41.8 kDa

纯度 (Purity):

≥95%, determined by SDS-PAGE

SDS-PAGE



4 ug/lane protein was resolved with SDS-PAGE under non-reducing (NR) and reducing (R) conditions and visualized by Coomassie Blue staining.

内毒素含量 (Endotoxin):

<0.010 EU per 1 ug of the protein by the LAL method

制剂(Formulation):

Solution protein.

Dissolved in sterile PBS buffer.

This solution can be diluted into other aqueous buffers.
Centrifuge the vial prior to opening.

储存与运输(Storage):

Avoid repeated freeze-thaw cycles.

It is recommended that the protein be aliquoted for optimal storage.

36 months from date of receipt, -20 to -70 °C as supplied.

Shipping with dry ice

产品背景介绍 (Production):

mRenin is a aspartyl protease that plays a crucial role in the regulation of blood pressure and salt balance through the renin-angiotensin system. It cleaves angiotensinogen to generate angiotensin I, which can be further converted by angiotensin converting enzyme (ACE) to angiotensin II. Angiotensin II is the active molecule of the renin-angiotensin system that acts by binding to angiotensin receptors type 1 and 2 (AT-1 and AT-2), and has direct pathophysiological effects on the heart and peripheral vasculature. After secretion, inactive prorenin can be proteolytically activated by trypsin, cathepsin B, or other proteinases. Because of its unique specificity, inhibition of Renin is widely studied to provide selective therapy for hypertension, congestive heart failure and associated disorders.

