abcam

Product datasheet

Recombinant human Prorenin protein (Active) ab93266

3 References 1 Image

Description

Product name	Recombinant human Prorenin protein (Active)
Biological activity	Fully activatable to renin by catalytic amounts of trypsin. ab93266 is > 95% active.
Purity	> 95 % SDS-PAGE. ab93266 is purified by affinity chromatography.
Expression system	HEK 293 cells
Accession	P00797
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	44 kDa

Specifications

Our **Abpromise guarantee** covers the use of **ab93266** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Extinction coefficient: 1.1 UV Absorbance (280 nm)=0.99

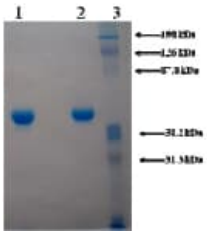
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris HCl, 0.29% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function	Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.
Involvement in disease	Defects in REN are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype). Defects in REN are the cause of familial juvenile hyperuricemic nephropathy type 2 (HNFJ2) [MIM:613092]. It is a renal disease characterized by juvenile onset of hyperuricemia, slowly progressive renal failure and anemia.
Sequence similarities	Belongs to the peptidase A1 family.
Cellular localization	Secreted. Membrane. Associated to membranes via binding to ATP6AP2.

Images



SDS-PAGE - Recombinant human Prorenin protein (ab93266)

3 ug of ab93266 on 10% SDS-PAGE.

Lane 1: Non-reduced

Lane 2: Reduced

Lane 3: Prestained Standard

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- Replacement or refund for products not performing as stated on the datasheet
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