

Product datasheet

Recombinant Dog Prorenin protein ab92555

Overview

Product name	Recombinant Dog Prorenin protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	HEK 293 cells

Amino Acid Sequence

Species	Dog
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Specifications

Our [Abpromise guarantee](#) covers the use of **ab92555** 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
Purity	> 95 % SDS-PAGE. Purified by chelated metal affinity chromatography
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 0.05M Tris HCl, pH 8.0
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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.

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