

## Product datasheet

# Recombinant Dog Renin protein ab93265

### Description

<b>Product name</b>	Recombinant Dog Renin protein
<b>Purity</b>	> 95 % SDS-PAGE. ab93265 is produced from the proenzyme prorenin by proteolytic cleavage of a 43 amino acid N-terminal prosegment using limited enzymatic digestion by immobilized trypsin. Conversion to active renin is >98 percent.
<b>Expression system</b>	HEK 293 cells
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Dog

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab93265** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituent: 0.79% Tris HCl
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### General Info

<b>Function</b>	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.
<b>Involvement in disease</b>	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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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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