

Recombinant Mouse Prorenin protein ab93313

Description

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| Product name | Recombinant Mouse Prorenin protein |
| Purity | > 95 % SDS-PAGE. ab93313 is purified by chelated metal affinity chromatography. |
| Expression system | HEK 293 cells |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Mouse |

Specifications

Our **Abpromise guarantee** covers the use of **ab93313** in the following tested applications.

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

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|-------------|--------|
| Form | Liquid |
|-------------|--------|

Preparation and Storage

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| Stability and Storage | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituent: 0.605% Tris |
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General Info

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| 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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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