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Product datasheet

Recombinant Human Renin protein ab155713

1 Image

Description

Product name	Recombinant Human Renin protein
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	**P00797**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LPTDTTTFKRIFLKRMPSIRESLKERGVDMARLGPEWSQP MKRLTLGNTT SSVILTNYMDTQYYGEIGIGTPPQTFKVVFDTGSSNVWVPS SKCSRLYTA CVYHKLFDASDSSSYKHNGTELTLRYSTGTVSGFLSQDIT VGGITVTQM FGEVTEMPALPFMLAEFDGVVGMGFIEQAIGRVTPIFDNIIS QGVLKEDV FSFYYNRDSENSQSLGGQIVLGGSDPQHYEGNFHYINLIKT GVWQIQMKG VSVGSSTLLCEDGCLALVDTGASYISGSTSSIEKLMEALG AKKRLFDYVV KCNEGPTLPDISFHLGGKEYTLTSADYVFQESYSSKKLCTL AIHAMDIPP PTGPTWALGATFIRKFYTEFDRRNNRIGFALAR
Predicted molecular weight	43 kDa including tags
Amino acids	24 to 406
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab155713** 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	Lyophilized

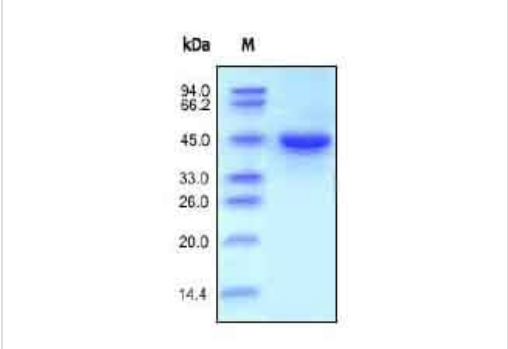
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 95% PBS, 5% Trehalose
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile deionized water to a final concentration of 200 µg/mL. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

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 Renin protein (ab155713)

SDS-PAGE of reduced ab155713 stained overnight with Coomassie Blue. The protein migrates as 45 kDa due to glycosylation.

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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