

Product datasheet

Recombinant Mouse Renalase protein (His tag)  
ab226429

1 Image

Description

<b>Product name</b>	Recombinant Mouse Renalase protein (His tag)	
<b>Purity</b>	> 90 % SDS-PAGE.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">A7RDN6</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	<pre> ALLRKEITAPLYLGLWDKGGDIGGRMITASSPHNPRCT ADLGAQYITCSP HYVKEHQNFYEELLAHGILKPLTSPIEGMKGKEGDCNF VAPQGFSSVIKY YLKKSAGAEVSLKHCVTQIHLKDNKWEVSTDTGSAEQF DLVILTMPAPQIL ELQGDVNLISERQREQLKSVSYSSRYALGLFYEVGMKI GVPWSCRYLSS HPCICFISIDNKRNIESSECGPSVVIQTTVPFGVQHLEA SEADVQKLMI QQLETILPGLPQPVATICHKWTYSQVTSSVSDRPGQMT LHLKPFLVCGGD GFTHSNFNGC ISSALSVMKVLKRYI </pre>	
<b>Predicted molecular weight</b>	52 kDa including tags	
<b>Amino acids</b>	18 to 342	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	This product is the mature full length protein from aa 18 to 342 with a 6xHis-SUMO tag at the N-terminus. The signal peptide is not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab226429** 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

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: Tris buffer, 50% Glycerol

## General Info

### Function

Probable FAD-dependent amine oxidase secreted by the kidney, which circulates in blood and modulates cardiac function and systemic blood pressure. Degrades catecholamines such as dopamine, norepinephrine and epinephrine in vitro. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis (By similarity). According to PubMed:17385068, is unlikely that renalase has physiologically relevant catecholamine-oxidizing activity.

### Tissue specificity

Secreted into the blood by the kidney. Highly expressed in the kidney, expressed at lower level in heart, skeletal muscle and small intestine. Its plasma concentration is markedly reduced in patients with end-stage renal disease, as compared with healthy subjects.

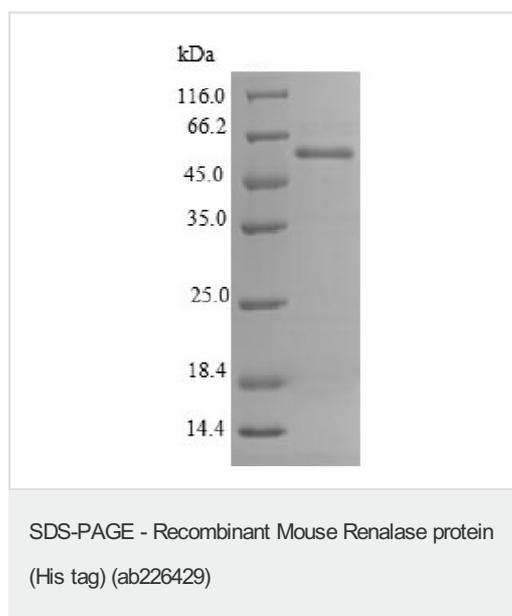
### Sequence similarities

Belongs to the renalase family.

### Cellular localization

Secreted.

## Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab226429 with 5% enrichment gel and 15% separation gel.

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

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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