

## Datasheet: 0100-0313

<b>Description:</b>	NATIVE RABBIT ACE
<b>Name:</b>	ACE
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	0.25 UNITS

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Rabbit
<b>Product Form</b>	Purified protein from rabbit lung - liquid
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	10 Units/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P12822</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">100009274</a>    ACE    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DCP1
<b>Product Information</b>	<p><b>Native Rabbit ACE</b> is Rabbit angiotensin converting enzyme purified from lung.            CAS number: 9015-82-1            EC number: 3.4.15.1</p>

<b>Protein Molecular Weight</b>	Reported as approximately 129 kDa (sedimentation equilibrium with and without 6 M guanidine hydrochloride) and approximately 140 kDa (SDS gel electrophoresis and by gel filtration).
<b>Activity</b>	4.5 U/mg protein.  One unit will produce 1.0 micromole of hippuric acid from hippuryl-His-Leu per minute in 50 mM HEPES and 300 mM NaCl at pH 8.3 at 37°C.  EDTA can be used as a strong inhibitor of this enzyme. This can be reversed by dialysis and reactivation with metal salts.  The Km for this enzyme is 2.6 mM using hippuryl-L-histidyl-L-leucine as the substrate.
<b>Storage</b>	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10078 available at: 10078: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf</a>
<b>Regulatory</b>	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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