

Datasheet: 0100-0313

Description:	NATIVE RABBIT ACE
Name:	ACE
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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.

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

Protein Molecular Weight	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).
Activity	<p>4.5 U/mg protein.</p> <p>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.</p> <p>EDTA can be used as a strong inhibitor of this enzyme. This can be reversed by dialysis and reactivation with metal salts.</p> <p>The Km for this enzyme is 2.6 mM using hippuryl-L-histidyl-L-leucine as the substrate.</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10078 available at: https://www.bio-rad-antibodies.com/SDS/0100-0313 10078</p>
Regulatory	For research purposes only

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

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)
'M362729:200528'

Printed on 12 Aug 2023