

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 the 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. CAS number: 9015-82-1 EC number: 3.4.15.1</p>
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	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.

Storage	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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10078 available at: 10078: https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf
Regulatory	For research purposes only

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