

Datasheet: 0178-0409

**BATCH NUMBER 172920**

<b>Description:</b>	SYNTHETIC HUMAN ACTH (aa1-39)
<b>Name:</b>	ACTH (aa1-39)
<b>Other names:</b>	ADRENOCORTICOTROPIC HORMONE
<b>Format:</b>	Purified
<b>Product Type:</b>	Antigen
<b>Quantity:</b>	0.1 mg

## 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
ELISA	▪			
Western Blotting			▪	
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>	Human
<b>Product Form</b>	Purified synthetic ACTH - liquid
<b>Preparation</b>	Solid phase synthesis
<b>Buffer Solution</b>	Trifluoroacetate salt
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml

### External Database Links

**UniProt:**  
[P01189](#)     [Related reagents](#)

**Entrez Gene:**[5443](#) POMC [Related reagents](#)

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<b>Product Information</b>	<b>Synthetic Human ACTH</b> is a synthetic peptide corresponding to full-length mature human ACTH, a secreted hormone that stimulates the synthesis and release of corticosteroids from the adrenal cortex.
<b>Protein Molecular Weight</b>	4,541 Da
<b>Purity</b>	98% by HPLC
<b>Amino Acid Sequence</b>	SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAAEAFPLEF
<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. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10240 available at: <a href="https://www.bio-rad-antibodies.com/SDS/0178-0409">https://www.bio-rad-antibodies.com/SDS/0178-0409</a>
<b>Regulatory</b>	For research purposes only

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**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M362766:200528'

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