

Datasheet: 0178-0409

**BATCH NUMBER 162618**

|                      |                               |
|----------------------|-------------------------------|
| <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  |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="http://www.uniprot.org/entry/P01189">P01189</a> <a href="#">Related reagents</a> |

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

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**Product Information** **Synthetic Human ACTH** 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.

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**Protein Molecular Weight** 4,541 Da

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**Purity** 98% by HPLC

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**Amino Acid Sequence** SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAAEAFPLEF

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**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. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10240 available at:  
<https://www.bio-rad-antibodies.com/SDS/0178-0409>  
10240

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**Regulatory** 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)  
'M362766:200528'

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