

## ACTH recombinant protein

Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, ACTH, LPH, MSH, NPP, POC, CLIP, Tetracosactide

Catalog # PBV10036r

## Specification

### ACTH recombinant protein - Product info

Primary Accession [P01189](#)  
Calculated MW **2.9335 kDa KDa**

### ACTH recombinant protein - Additional Info

Gene ID **5443 (precursor)**  
Gene Symbol **POMC**

#### Other Names

Corticotropin-lipotropin,  
Pro-opiomelanocortin, POMC, ACTH, LPH,  
MSH, NPP, POC, CLIP, Tetracosactide,  
Adrenocorticotropin receptor, Melanocortin  
receptor 2

Gene Source **Human**  
Source **Synthetic**  
Assay&Purity **SDS-PAGE; ≥98%**  
Assay2&Purity2 **HPLC; ≥98%**  
Recombinant **No**

#### Target/Specificity

ACTH

### Application Notes

Centrifuge the vial prior to opening.  
Reconstitute in sterile dW to a concentration  
≥ 100 µg/ml. This solution can then be  
diluted into other aqueous buffers and stored  
at 4 °C for 2-7 days and at -20 °C for future  
use.

### Format

Lyophilized

### Storage

-20°C; Sterile filtered and lyophilized with no  
additives

### ACTH recombinant protein - Background

Adrenocorticotrophic hormone, as its name implies, stimulates the adrenal cortex. More specifically, it stimulates secretion of glucocorticoids such as cortisol, and has little control over secretion of aldosterone, the other major steroid hormone from the adrenal cortex. Stimulates secretion of adrenal corticosteroids and induces growth of adrenal cortex. ACTH also called Tetracosactide directly activates G-proteins. A stimulator of adenylate cyclase and cAMP formation. Its molecular weight is 4.541 kDa.

## ACTH recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)