

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 $\geq 100 \mu\text{g/ml}$. 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 - 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](#)

ACTH recombinant protein - Images

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.