

**ACTH recombinant protein****Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, ACTH, LPH, MSH, NPP, POC, CLIP, Tetracosactide****Catalog # PBV10036r****Specification**

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**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&amp;Purity

**SDS-PAGE; ≥98%**

Assay2&amp;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 - 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.