

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](#)