

#### **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 (precurrsor)

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% **HPLC**; ≥98% Assay2&Purity2 No

Recombinant

Target/Specificity

ACTH

### **Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile dW to a concentration  $\geq 100 \, \mu g/ml$ . 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

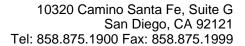
#### Storage

-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 Cytomety





• Cell Culture

#### **ACTH recombinant protein - Images**

# **ACTH recombinant protein - Background**

Adrenocorticotropic 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.