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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%
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

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.

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