

Pituitary adenylate cyclase-activating polypeptide

Catalog No: #AP78958



Package Size: #AP78958-1 50ug #AP78958-2 100ug #AP78958-3 1mg

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Description

| | |
|-----------------------|---|
| Product Name | Pituitary adenylate cyclase-activating polypeptide |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Purification | Greater than 90% by SDS-PAGE |
| Species Reactivity | Human |
| Immunogen Description | Recombinant protein |
| Other Names | null |
| Accession No. | P18509Gene name:ADCYAP1 |
| Uniprot | P18509 |
| GenID | 116; |
| Tag Info | His |
| Formulation | 50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0) |
| Storage | Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway. In chromaffin cells, induces long-lasting increase of intracellular calcium concentrations and neuroendocrine secretion (By similarity). Involved in the control of glucose homeostasis, induces insulin secretion by pancreatic beta cells.

References

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Note: This product is for in vitro research use only