

Recombinant Mouse Adcyap1 Protein, MYC/DDK-tagged

Cat. No. Adcyap1-538M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse adenylate cyclase activating polypeptide 1 (Adcyap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the glucagon superfamily of hormones that have important roles in growth and metabolism. The encoded protein undergoes proteolytic processing to generate mature peptides that function as hypophysiotropic hormones, neurotransmitters, neuromodulators and vasoregulators. Mice lacking the encoded protein exhibit a high rate of early mortality. The surviving adult animals lacking the encoded protein exhibit decreased anxiety, hyperactive behavior and impaired steroidogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	19.4 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Adcyap1 adenylate cyclase activating polypeptide 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Adcyap1](#)

Synonyms Adcyap1; adenylate cyclase activating polypeptide 1; PACAP; pituitary adenylate cyclase-activating polypeptide

Gene ID [11516](#)


mRNA Refseq [NM_009625](#)

Protein Refseq [NP_033755](#)

UniProt ID [O70176](#)

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