

Vasopressin-neurophysin 2-copeptin (Avp) Recombinant Protein | Avp recombinant protein

Recombinant Mouse Vasopressin-neurophysin 2-copeptin (Avp)

CATALOG # AAA113558	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

PRODUCT SYNONYMS

Vasopressin-neurophysin 2-copeptin (Avp); Recombinant Mouse Vasopressin-neurophysin 2-copeptin (Avp); Avp recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	36-128, Full length protein
Sequence	AISDMELRQC LPCGPGGKGR CFGPSICCAD ELGCFVGTA EALRCQEENYL PSPCQSGQKP CGSGGRCAAV GICCSDESCV AEPECHDGFF RLT
Sequence Length	93
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Avp recombinant protein	This gene encodes a precursor protein consisting of arginine vasopressin and two associated proteins, neurophysin II and a glycopeptide, copeptin. Arginine vasopressin is a posterior pituitary hormone which is synthesized in the supraoptic nucleus and paraventricular nucleus of the hypothalamus. Along with its carrier protein, neurophysin II, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis where it is either stored or secreted into the bloodstream. The precursor is thought to be activated while it is being transported along the axon to the posterior pituitary. Arginine vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the kidney, and also causes vasoconstriction of the peripheral vessels. This hormone can contract smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in this gene cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753150
NCBI GeneID	11998
NCBI Accession #	NP_033862.1
NCBI GenBank Nucleotide #	NM_009732.2
UniProt Accession #	P35455
Molecular Weight	17,900 Da

NCBI Official Full Name	vasopressin-neurophysin 2-copeptin preproprotein
NCBI Official Synonym Full Names	arginine vasopressin
NCBI Official Symbol	Avp
NCBI Official Synonym Symbols	Vp; Vsp
NCBI Protein Information	vasopressin-neurophysin 2-copeptin
UniProt Protein Name	Vasopressin-neurophysin 2-copeptin
UniProt Gene Name	Avp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/avp-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113558>