

Recombinant Mouse Avp Protein, MYC/DDK-tagged

Cat. No. Avp-683M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse arginine vasopressin (Avp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the vasopressin/oxytocin family and preproprotein that is proteolytically processed to generate multiple protein products. These products include the neuropeptide hormone arginine vasopressin, and two other peptides, neurophysin 2 and copeptin. Arginine vasopressin binds to vasopressin receptors and functions as a vasopressor, to constrict blood vessels and increase blood pressure, and as an antidiuretic, to reduce the production of urine. Neurophysin 2 functions as a carrier protein in the transport of arginine vasopressin. This gene is present in a gene cluster with the related gene oxytocin on chromosome 2.
Molecular Mass	17.9 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 *Avp* arginine vasopressin [*Mus musculus* (house mouse)]

Official Symbol *Avp*

Synonyms *Avp*; arginine vasopressin; *Vp*; *Vsp*; vasopressin-neurophysin 2-copeptin; AVP-NP II; pre-pro-arginine-vasopressin-neurophysin II; prepro-AVP-NP II

Gene ID 11998

mRNA Refseq NM_009732

Protein Refseq NP_033862

UniProt ID P35455

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