

Vasopressin

Item Number	rAP-2572
Synonyms	Vasopressin-neurophysin 2-copeptin, AVP-NP11, VP, ADH, ARVP, AVRP, Argipressin, Arginine vasopressin, AVP, Vasopressin, Antidiuretic Hormone.
Description	ProSpec's 8-L-Arginine Vasopressin's molecular weight is 1084.24 Dalton and the molecular formula is: C ₄₆ H ₆₅ N ₁₅ O ₁₂ S ₂ .
Uniprot Accesion Number	P01185
Amino Acid Sequence	C[Cys-Tyr-Phe-Gln-Asn-Cys]-Pro-Arg-Gly-NH ₂ .
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Vasopressin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Vasopressin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein (1 mg/ml) was lyophilized with no additives. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Vasopressin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**