

Product Data Sheet

Inhibitors • Screening Libraries • Proteins

VIP Protein, Human (HEK293, His)

Cat. No.:	HY-P71061
Synonyms:	Vasoactive intestinal peptide; VIP; Intestinal peptide PHV-42; Peptide histidine methioninamide 27; Vasoactive intestinal polypeptide
Species:	Human
Source:	HEK293
Accession:	P01282-2 (S21-G152)
Gene ID:	7432
Molecular Weight:	Approximately 17-35 kDa

PROPERTIES							
AA Sequence		SQTSAWPLYR	SQTSAWPLYR APSALRLGDR	SQTSAWPLYR APSALRLGDR IPFEGANEPD			
		LQNALAENDT	L Q N A L A E N D T P Y Y D V S R N A R	L Q N A L A E N D T P Y Y D V S R N A R H A D G V F T S D F			
		K Y L E S L M G K R	KYLESLMGKR VSNISEDPVP	KYLESLMGKR VSNISEDPVP VKRHSDAVFT			
		AVKKILNSIL	AVKKILNSIL NG	AVKKYLNSIL NG			
Appearance		l vonhilized nowder	I vonhilized nowder	Lyophilized powder			
Арреагансе		Lyophilized powder.	Lyophilized powder.	Lyophilized powder.			
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.						
Endotovin Loval		<1 Ell/us determined by LAL method					
Endotoxin Level		<1 EU/µg, determined by LAL method.					
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. For long term storage i						
		recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).					
Storage & Stability		Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is					
otoruge a otability		recommended to freeze aliquots at -20°C or -80°C for extended storage.					
Shipping		Room temperature in cor	Room temperature in continental US; may vary elsew	Room temperature in continental US; may vary elsewhere.			

DESCRIPTION

BackgroundVIP, a neuropeptide with diverse physiological effects, elicits vasodilation, contributing to the lowering of arterial blood
pressure. It further stimulates myocardial contractility, enhances glycogenolysis, and induces relaxation in the smooth
muscles of the trachea, stomach, and gall bladder. In addition to VIP, both PHM and PHV also display vasodilatory
properties. Notably, PHM-27 emerges as a potent agonist of the calcitonin receptor CALCR, demonstrating efficacy
comparable to that of calcitonin. These findings highlight the multifaceted actions of VIP and its related peptides in
regulating cardiovascular functions and smooth muscle activity.

Caution: Product has not been fully validated for medical applications. For research use only.

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