

VSNL1 Protein, Human (His)

Cat. No.:	HY-P71427
Synonyms:	Visinin-Like Protein 1; VILIP; VLP-1; Hippocalcin-Like Protein 3; HLP3; VSNL1; VISL1
Species:	Human
Source:	E. coli
Accession:	P62760 (M1-K191)
Gene ID:	7447
Molecular Weight:	Approximately 23 kDa

PROPERTIES

AA Sequence	<p> M G K Q N S K L A P E V M E D L V K S T E F N E H E L K Q W Y K G F L K D C P S G R L N L E E F Q Q L Y V K F F P Y G D A S K F A Q H A F R T F D K N G D G T I D F R E F I C A L S I T S R G S F E Q K L N W A F N M Y D L D G D G K I T R V E M L E I I E A I Y K M V G T V I M M K M N E D G L T P E Q R V D K I F S K M D K N K D D Q I T L D E F K E A A K S D P S I V L L L Q C D I Q K </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is 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 recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The VSNL1 protein functions as a regulator of rhodopsin phosphorylation inhibition in vitro, and this regulation is dependent on calcium levels. This suggests that VSNL1 plays a role in modulating the phosphorylation dynamics of rhodopsin, a critical process in the signaling cascade of photoreceptor cells. The calcium-dependent nature of VSNL1's activity implies its responsiveness to intracellular calcium concentrations, potentially linking its function to cellular signaling events or calcium-mediated pathways involved in the regulation of visual processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA