

VSNL1 Protein, Human

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| Cat. No.: | HY-P76694 |
| Synonyms: | Visinin-like protein 1; VILIP; VLP-1; Hippocalcin-like protein 3; HLP3; VSNL1; VISL1 |
| Species: | Human |
| Source: | E. coli |
| Accession: | P62760 (G2-K191) |
| Gene ID: | 7447 |
| Molecular Weight: | Approximately 19 kDa |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered solution of 50 mM Tris, 10% Glycerol, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. |
| 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

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

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