

## Recombinant Human VSNL1

Catalog No: C265

<b>Description</b>	Recombinant Human Visinin-Like Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Lys191 is expressed with a 6His tag at the N-terminus.
<b>Source</b>	E.coli
<b>Alternative name</b>	Visinin-Like Protein 1; VILIP; VLP-1; Hippocalcin-Like Protein 3; HLP3; VSNL1; VISL1
<b>Accession No.</b>	P62760
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 20mM NaCl, pH 8.0.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

### Amino Acid Sequence

MGSSHHHHHSSGLVPRGSHMGKQNSKLAPEVMEDLVKSTEFNEHELKQWYKGFLLKDCPSGRLNL  
EEFQQLYVKFFPYGDA  
SKFAQHAFRTFDKNGDGTIDFREFICALSITSRGSFEQKLNWAFNMYDLGDGKITRVEMLIEIAIYKM  
VGTVIMMKMNEEDG LTPEQRVDKIFSKMDKNKDDQITLDEFKEAAKSDPSIVLLLQCDIQK

### Background

Visinin-Like Protein 1 (VILIP) is a member of the Visinin/Recoverin subfamily of neuronal calcium sensor proteins. VILIP is strongly expressed in the Granule Cells of the Cerebellum where it associates with membranes in a Calcium-dependent manner and modulates intracellular signaling pathways of the central nervous system by directly or indirectly regulating the activity of Adenylyl Cyclase. It has been shown that VILIP regulates the inhibition of rhodopsin phosphorylation in a Calcium-dependent manner

### SDS-Page

