## Recombinant Human VSNL1 Protein (His Tag)

## Catalog Number: PKSH033214

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Species	Human	
Source	Ecoli-derived Human VSNL1 protein Met 1-Lys191, with an N-terminal His	
Calculated MW	24.3 kDa	
Observed MW	32 kDa	
Accession	P62760	
Bio-activity	Not validated for activity	
Properties		
Purity	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.	
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80	
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of	
	reconstituted samples are stable at $< -20^{\circ}C$ for 3 months.	
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.	
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 20mM NaCl, pH 8.0.	
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants	
	before lyophilization.	
	Please refer to the specific buffer information in the printed manual.	
Reconstitution	Please refer to the printed manual for detailed information.	

## Data

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> 95 % as determined by reducing SDS-PAGE.

## Background

Visinin-Like Protein 1 (VILIP) is a 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 Calciumdependent 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 in vitro.