9051 Mira Mesa Blvd, #910094
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VSNL1 Human

Visinin-Like Protein-1 Human Recombinant
RCP2564

Product Overview

Name	VSNL1 Human
Description	
Visinin-Like Protein-1 Human Recombinant	
Accession (Primary)	P62760
Synonyms	
VISL1, VISL-1, VIS1, VIS-1, VILIP, HLP3, Hippocalcin-like protein 3, VSNL1, VILIP-1, VILIP1, HLP-3, HPCAL3, HUVISL1, Visinin-like protein 1.	
Introduction	
VSNL1 is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. VILIP1 is strongly expressed in 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. Changes in cellular expression of VSNL1 were found in hipppocampi of schizophrenics, since more interneurons showed immunoreactivity. VILIP1 is expressed in pancreatic beta-cells. VILIP-1 interacts with cell membrane and actin-based cytoskeleton. VSNL1 modulates cAMP-accumulation in C6 glioma cells. HLP3 modulates cGMP-accumulation in transfected neural cells and cerebellar granule neurons.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The VSNL1 protein solution contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR	

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TFDKNGDGTI DFREFICALS ITSRGSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLLQCDIQ K.

Precautions

VSNL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P62760)