

---

**Visinin-like protein-1, 1-191 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP04478**

3th Edition

**Synonyms:**VILIP, VILIP-1, VLP-1, HLP3, VSNL1 , Hippocalcin like protein 3, HLP 3, HPCAL 3, HPCAL3, HUVISL1, Neurocalcin alpha, NVL 1, NVL1, VILIP, Visinin.Visinin like 1, Visinin like protein 1.VISL 1.

**Description:**Visinin-like protein-1, also known as VILIP-1, belongs to a family of neuronal calcium sensor proteins. VILIP-1 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. Also, it is expressed in pancreatic beta-cells. VILIP-1 elevation enhances insulin secretion in cAMP-associated manner. Down-regulation of VILIP-1 decreased cAMP accumulation but increased insulin gene transcription. Recombinant human Visinin-like protein-1 was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT,10% glycerol

**Molecular Weight:**22.1 kDa (191aa), confirmed by MALDI-TOF.

**Sequences:**

MGKQNSKLAPEVMEDLVKSTEFNEHELKQWYKGFLLKDCPSGRLNLEEFQQLYVKFFPYGDASKFAQHAFRTFDKN  
GDGTIDFREFICALSITSRGSFEQKLNWAFNMYDLGDGKITRVEMLIIEAIYKMGVTVIMMKMNEDGLTPEQRVVK  
IFSKMDKNKDDQITLDEFKEAAKSDPSIVLLLQCDIQK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.