

32-7243: Recombinant Human Visinin-Like Protein 1/VILIP/VSNL1 (N-6His)

Gene : VSNL1
Gene ID : 7447
Uniprot ID : P62760

Description

Source: E.coli.
MW :24.3kD.

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. 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 in vitro.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 20mM NaCl, pH 8.0.
Storage condition : 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 : MGSSHHHHHSSGLVPRGSHMGKQNSKLAPEVMEDLVKSTEFNEHELKQWYKGFLKDCPSGRNLNLEEFQQL
YVKFFPYGDASKFAQHAFTFDKNGDGTIDFREFICALSITSRGSFEQKLNWAFNMYDLGDGKITRVEMLIEI
AIYKMGVTVIMMKMNEDGLTPEQRVDKIFSKMDKNKDDQITLDEFKEAKSDPSIVLLQLQCDIQK

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.