Human VILIP-1 / VSNL1 Protein

Catalog Number: **14571-HNAE**

General Information

Gene Name Synonym:

HLP3; HPCAL3; HUVISL1; VILIP; VILIP-1

Protein Construction:

A DNA sequence encoding human VSNL1 (Gly2-Lys191) was expressed with a N-terminal Met.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met

Molecular Mass:

The recombinant human VSNL1 consists of 191 amino acids and predicts a molecular mass of 22.1 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 10% glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

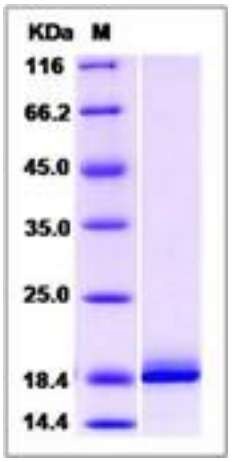
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

VILIP-1, also known as VSNL1, 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. VILIP-1 gene is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined.

References

1.Burgoyne RD. 2007, Nat Rev Neurosci. 8 (3): 182-93. 2.Kose A. et al., 1990, Brain Res. 518 (1-2): 209-17. 3.Polymeropoulos MH. et al., 1996, Genomics. 29 (1): 273-5.