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Datasheet for ABIN1097796
VSNL1 Protein (AA 2-191) (His tag)

Overview

Quantity:	50 µg
Target:	VSNL1
Protein Characteristics:	AA 2-191
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSNL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Visinin-Like Protein 1/VILIP/VSNL1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MGKQNSKLAP EVMEDLVKST EFNEHELKQW YKGFLKDCPS GRLNLEEFQQ LYVKFFPYGD ASKFAQHAFR TFDKNGDGTI DFREFICALS ITSRGSFEQK LNWAFNMYDL DGDGKITRVE MLEIIEAIYK MVGTVIMMKM NEDGLTPEQR VDKIFSKMDK NKDDQITLDE FKEAAKSDPS IVLLLQCDIQ K
Characteristics:	Recombinant Human Visinin-Like Protein 1/VILIP is produced by our E. coli expression system. The target protein is expressed with sequence (Gly2-Lys191) of Human VSNL1 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	VSNL1
Alternative Name:	VLP-1 (VSNL1 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Visinin-Like Protein 1, VILIP, VLP-1, Hippocalcin-Like Protein 3, HLP3, VSNL1, VISL1</p>
Molecular Weight:	24.3 kDa
UniProt:	P62760

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 20 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months