

Human Visinin-like protein 1 (VSNL1) ELISA Kit

Catalog No: #EK5850



Package Size: #EK5850-1 48T #EK5850-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Visinin-like protein 1 (VSNL1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HLP3; HPCAL3; HUVISL1; VILIP; VILIP-1; OTTHUMP00000200482 OTTHUMP00000200483 hippocalcin-like protein 3
Accession No.	P62760
Uniprot	P62760
GenID	7447;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.062 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate VSNL1 in samples. An antibody specific for VSNL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVSNL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VSNL1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VSNL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**VSNL1 is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. The protein 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. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined. The (CA)_n microsatellite repeat embedded in the 3-prime untranslated region of the gene was conserved between rat and human, along with the flanking DNA sequences. By genetic linkage studies in 11 CEPH families, they mapped the VSNL1 gene to 2p.

Note: This product is for in vitro research use only