

# Human Vacuolar protein sorting-associated protein 37A (VPS37A) ELISA Kit

Catalog No: #EK5853

Orders: order@signalwayantibody.com

Package Size: #EK5853-1 48T #EK5853-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Vacuolar protein sorting-associated protein 37A (VPS37A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ32642; FLJ42616; HCRP1; PQBP2; hepatocellular carcinoma related protein 1 polyglutamine binding protein 2 vacuolar protein sorting 37A
Accession No.	Q8NEZ2
Uniprot	Q8NEZ2
GeneID	137492;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 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 VPS37A in samples. An antibody specific for VPS37A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVPS37A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VPS37A 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 VPS37A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**HCRP1 encodes a deduced 397-amino acid protein. Northern blot analysis showed ubiquitous expression of an approximately 2-kb HCRP1 transcript, with most abundant expression in liver. Western blot analysis showed reduced HCRP1 expression in 6 of 8 HCC tissues, but higher expression levels of HCRP1 in adjacent normal tissues in all 8 cases. Transient transfection of GFP-HCRP1 fusion constructs showed that HCRP1 is localized throughout the cell, but predominantly in the nucleus.Pull-down assays demonstrated that the interaction between HCRP1 and TSG101 occurs through the mod(r) domain. By size exclusion chromatography, HCRP1 cofractionated with TSG101 and VPS28. Depletion of TSG101 by siRNA treatment resulted in reduction in HCRP1 levels in HeLa cells.

---

Note: This product is for in vitro research use only