

Datasheet for ABIN7275502

PLVAP Protein (AA 49-442) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PLVAP
Protein Characteristics:	AA 49-442
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLVAP protein is labelled with His tag.

Product Details

Purpose:	Human PLVAP Protein
Sequence:	Tyr49-Gly442
Characteristics:	Recombinant Human PLVAP Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Tyr49-Gly442.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PLVAP
Alternative Name:	PLVAP (PLVAP Products)

Target Details

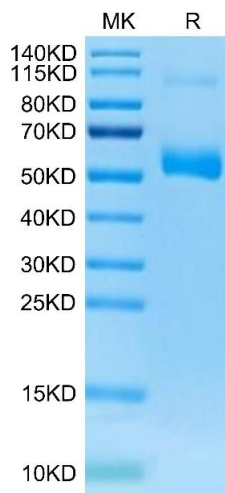
Background:	Plasmalemma vesicle-associated protein (PLVAP, also called PV-1) is the only protein that forms endothelial diaphragms. PLVAP expression is very low in the normal blood-retinal barrier, however, pathological factors such as high glucose and vascular endothelial growth factor (VEGF) induce its expression, leading to the exacerbation of cellular permeability. Because the new blood vessels are fragile and leaky, PLVAP could possibly be considered a therapeutic target against retinovascular diseases.
Molecular Weight:	45.97 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q9BX97

Application Details

Restrictions:	For Research Use only
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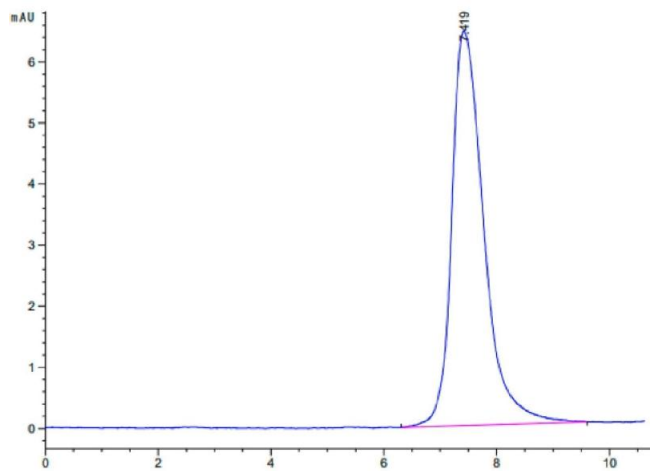
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human PLVAP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human PLVAP is greater than 90 % as determined by SEC-HPLC.