

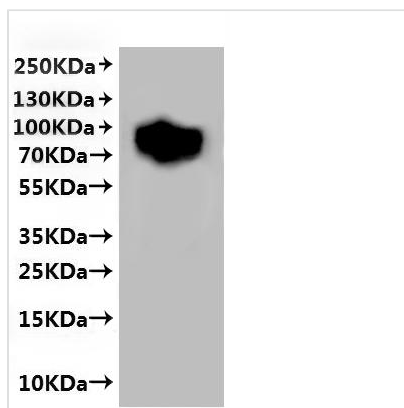


# Recombinant *Macaca mulatta* Apelin receptor (APLNR)-VLPs (Active)

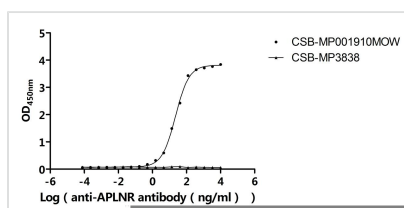
<b>Product Code</b>	CSB-MP001910MOW
<b>Abbreviation</b>	Recombinant Rhesus macaque APLNR protein-VLPs (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O97666
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Macaca mulatta</i> (Rhesus macaque)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca mulatta</i> APLNR at 4 µg/mL can bind Anti-APLNR recombinant antibody (CSB-RA001910MA2HU). The EC50 is 20.44-25.30 ng/mL. The VLPs (CSB-MP3838) is negative control.
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLLGTTGNGLVLWT VFRSSREKRRSADIFIASLAVADLTFVVTLPWATYTYRDYDWPFGTFCKLSS YLIFVNMYASVFCLTGLSFDRYLAIVRPVANARLRLRVSGAVATAVLWVLAALL AMPVMVFRTTGDLENTTKVQCYMDYSMVATVSSDWAWEVGLGVSSTTVGFV VPFTIMLTCYFFIAQTIAGHFRKERIEGLRKRRLLSIIVLVVTFALCWMPYHLV KTLYMLGSLHWPCDFLFLMNVFPYCTCISYVNSCLNPFYAFFDPRFRQAC TSMMLCCGQSRCAGTSHSSSGEKSASYSSGHSQGPGPNMGKGGEQMHEKSI PYSQETLVVD
<b>Source</b>	Mammalian cell
<b>Target Names</b>	APLNR
<b>Expression Region</b>	1-380aa
<b>Notes</b>	The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20°C/-80°C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	44.1 kDa
<b>Protein Length</b>	Full Length



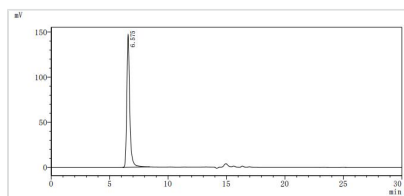
**Image**



CSB-MP001910MOW is detected by Mouse anti-6\*His monoclonal antibody.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Macaca mulatta APLNR at 4 µg/ml can bind Anti-APLNR recombinant antibody (CSB-RA001910MA2HU). The EC<sub>50</sub> is 20.44-25.30 ng/mL. The VLPs (CSB-MP3838) is negative control.



The purity of APLNR was greater than 95% as determined by SEC-HPLC

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.