

Synonym

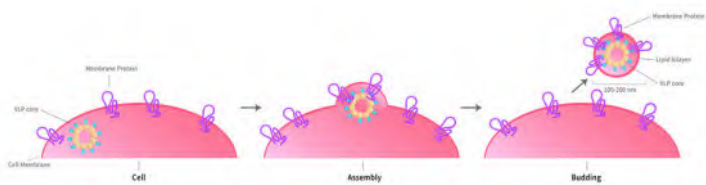
F2R,coagulation factor II thrombin receptor,CF2R, HTR, PAR-1, PAR1, TR

Source

Fluorescent Human PAR1 Full Length Protein (VLP)(PA1-HF2G5) is expressed from human 293 cells (HEK293). It contains AA Ser 42 - Thr 425 (Accession # [P25116-1](#)).
Predicted N-terminus: Asp

Molecular Characterization

This protein carries a GFP tag.
Virus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening.



The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.

Conjugate

GFP
Excitation source: 488 nm spectral line, argon-ion laser
Excitation Wavelength: 488 nm
Emission Wavelength: 530 nm

Endotoxin

Less than 1.0 EU per µg by the LAL method.
*The isotype control of empty/mock VLP (Cat. No. [VLP-NF2P4](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

Formulation

The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).
Supplied as 0.2 µm filtered solution in PBS, Arginine, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.
Storage
Please protect from light and avoid repeated freeze-thaw cycles.

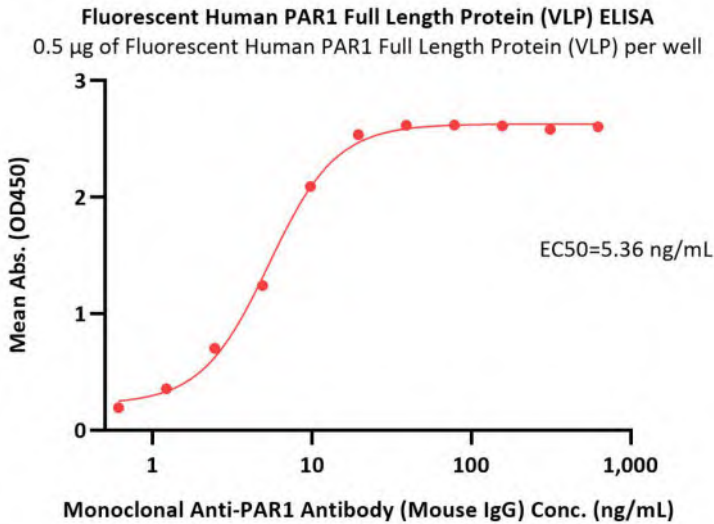
This product is stable after storage at:
• The product MUST be stored at -70°C or lower upon receipt;
• -70°C for 12 months under sterile conditions.

Bioactivity-ELISA



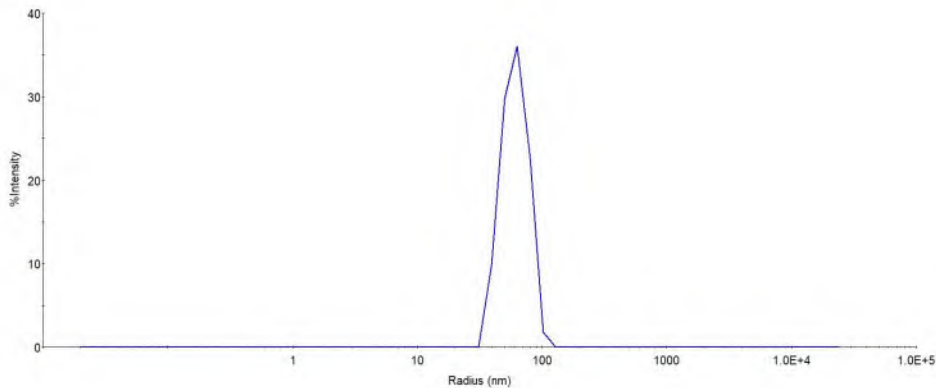
Fluorescent Human PAR1 Full Length Protein (VLP)

Catalog # PA1-HF2G5



Immobilized Fluorescent Human PAR1 Full Length Protein (VLP) (Cat. No. PA1-HF2G5) at 5 µg/mL (100 µL/well) can bind Monoclonal Anti-PAR1 Antibody (Mouse IgG) with a linear range of 0.6-10 ng/mL (QC tested).

Identity-DLS



The mean peak Radius of VLP is 55-75 nm with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family member. Alternative splicing results in multiple transcript variants.

Clinical and Translational Updates

