

# Human Proteinase-activated receptor 1/PAR-1 VLP

Cat. No. PAR-HM01R

## Description

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Source           | Recombinant Human Proteinase-activated receptor 1/PAR-1 VLP is expressed from HEK293. |
|                  | It contains Met1-Thr425 (It may have cross reaction with anti-His antibody).          |
| Accession        | P25116                                                                                |
| Molecular Weight | The protein has a predicted MW of 48.79 kDa.                                          |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                              |
| Purity           | > 95% as determined by HPLC                                                           |

## Formulation and Storage

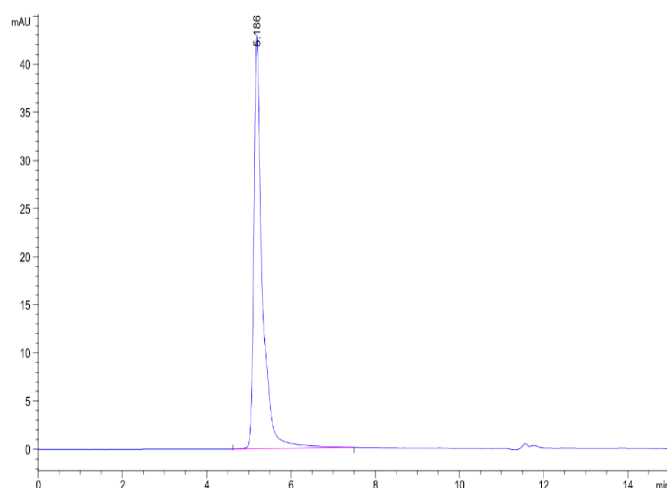
|             |                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 150mM L-arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.                         |
| Storage     | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Proteinase activated receptors (PAR 1-4) are membrane receptors with a unique way of activation by proteinases like thrombin, trypsin and matrix metalloproteinases which lead to a specific cellular response. PAR-1 was present in adenocarcinomas, melanomas, osteosarcomas, glioblastomas, meningiomas, leukaemias and squamous cell carcinomas. PAR-1 is widely expressed in human tumors suggesting an important role in tumorigenesis and providing potential targets for therapy.

## Assay Data

### SEC-HPLC



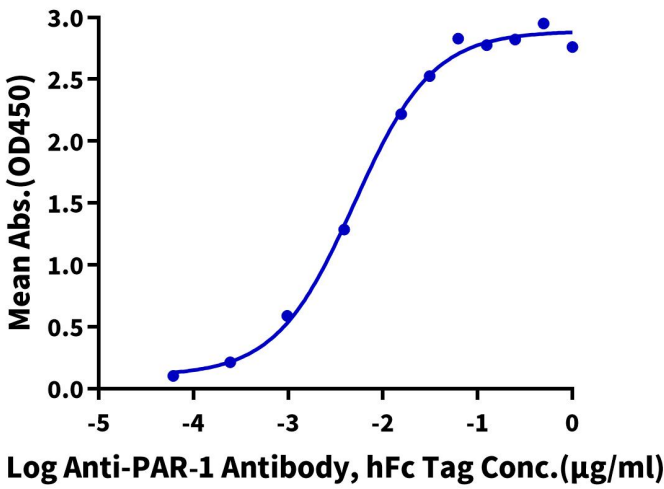
The purity of Human PAR-1 VLP is greater than 95% as determined by SEC-HPLC.

### ELISA Data

Assay Data

Human PAR-1 VLP ELISA

0.5µg Human PAR-1 VLP Per Well



Immobilized Human PAR-1 VLP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-PAR-1 Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA (QC Test).