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

Cat. No. PAR-HM01R

Description

Source	Recombinant Human Proteinase-activated receptor 1/PAR-1 Protein-VLP is expressed from HEK293.
	It contains Met1-Thr425.
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

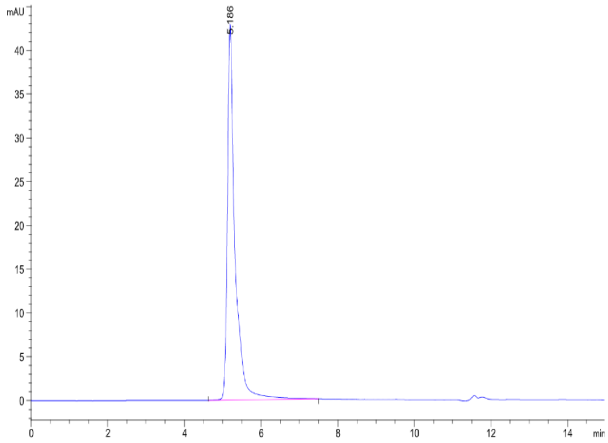
Formulation	Supplied as 0.22 μm filtered solution in PBS, 150mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal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

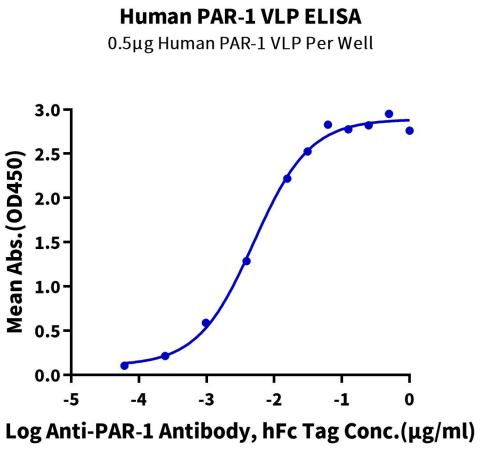
Assay Data

SEC-HPLC



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

ELISA Data



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).