



## Synonym

GPRC5D

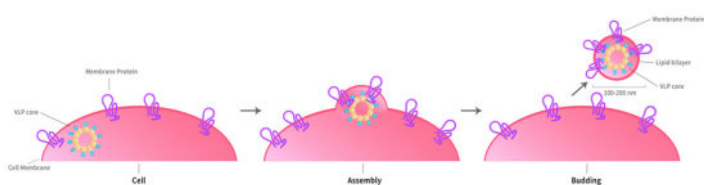
## Source

Human GPRC5D Full Length Protein (VLP)(GPD-H52P7) is expressed from human 293 cells (HEK293). It contains AA Tyr 2 - Val 345 (Accession # [Q9NZD1-1](#)).

Predicted N-terminus: Asp

## Molecular Characterization

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.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## 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

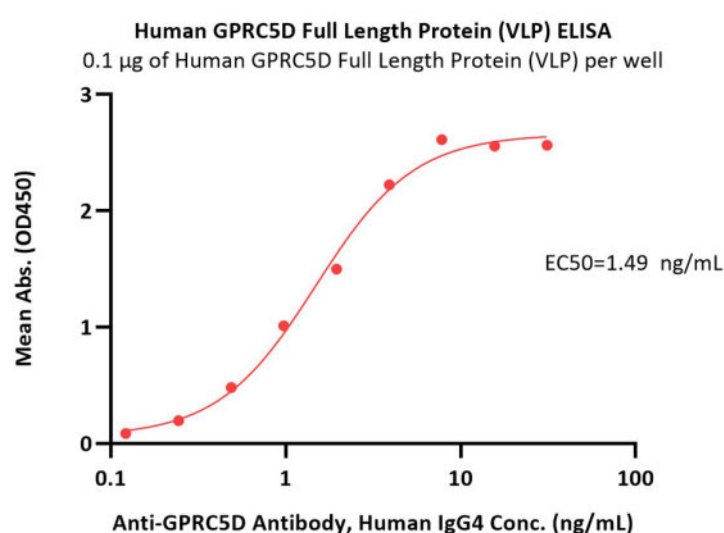
*Please avoid repeated freeze-thaw cycles.*

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.

\*The isotype control of empty/mock VLP (Cat. No. [VLP-N5213](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

## Bioactivity-ELISA



Immobilized Human GPRC5D Full Length Protein (VLP) (Cat. No. GPD-H52P7) at 1 µg/mL (100 µL/well) can bind Anti-GPRC5D Antibody, Human IgG4 with a linear range of 0.2-1 ng/mL (QC tested).

Discounts, Gifts,  
and more!



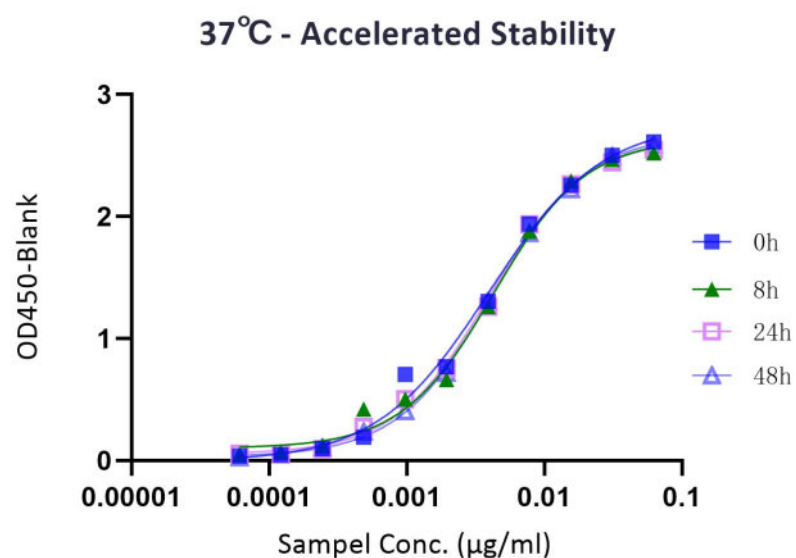
# Human GPRC5D Full Length Protein (VLP)

Catalog # GPD-H52P7

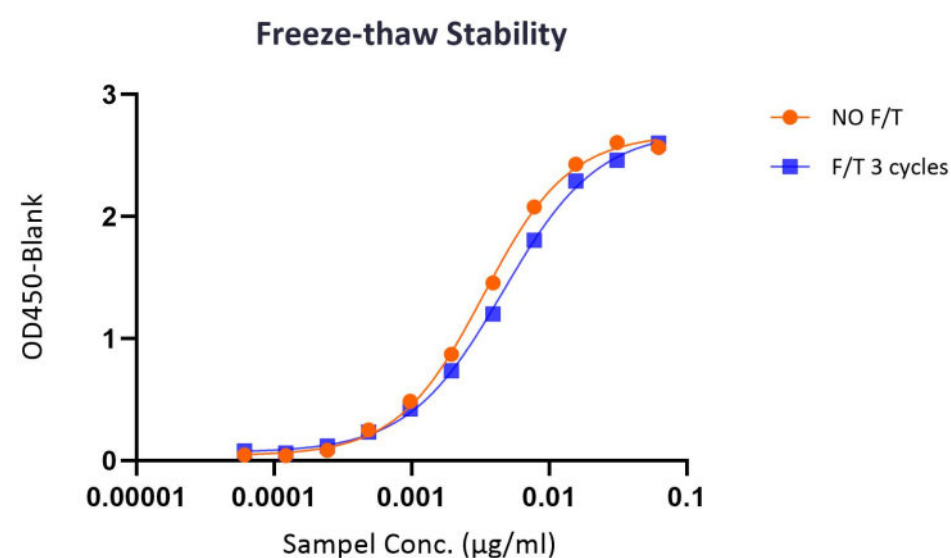


BIOSYSTEMS  
**Acro**

## Bioactivity-Stability

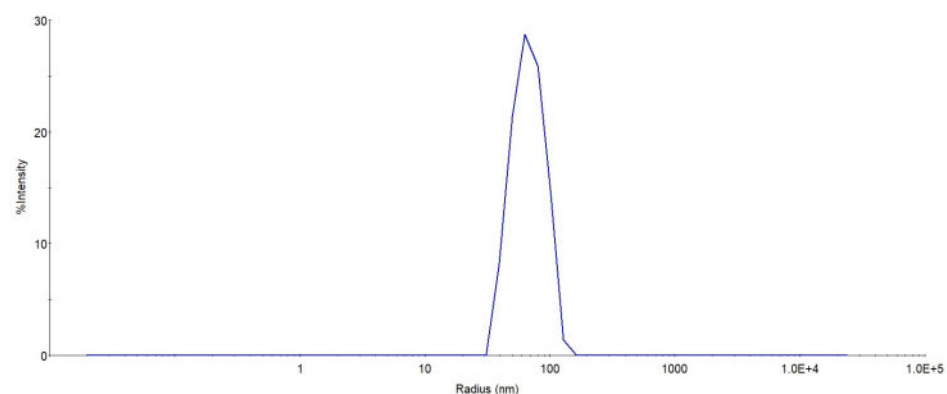


The accelerated stability based assay shows that Human GPRC5D Full Length Protein (VLP) (Cat. No. GPD-H52P7) is stable at 37°C for 48h.



The freeze-thaw stability based assay shows that Human GPRC5D Full Length Protein (VLP) (Cat. No. GPD-H52P7) is stable after freeze-thaw 3 times.

## 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

The protein encoded by this gene is a member of the G protein-coupled receptor family; however, the specific function of this gene has not yet been determined. (provided by RefSeq, Jul 2008)

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.

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