



## Synonym

C7orf15,C7orf15MGC138295,CD112R,MGC104322,MGC138297,MGC2463,PVRIG,CD112 receptor

## Source

Cynomolgus PVRIG, Fc Tag(PVG-C5259) is expressed from human 293 cells (HEK293). It contains AA Thr 41 - Asp 171 (Accession # [A0A2K5WVV8-1](#)). Predicted N-terminus: Thr 41

## Molecular Characterization

PVRIG(Thr 41 - Asp 171) A0A2K5WVV8-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 40.1 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

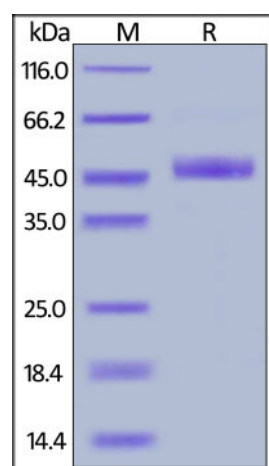
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Cynomolgus PVRIG, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

Discounts, Gifts,  
and more!

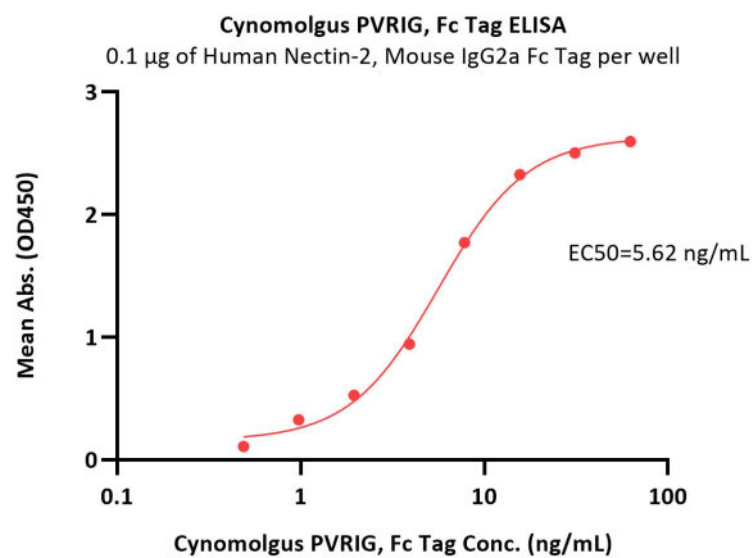


# Cynomolgus PVRIG Protein, Fc Tag

Catalog # PVG-C5259

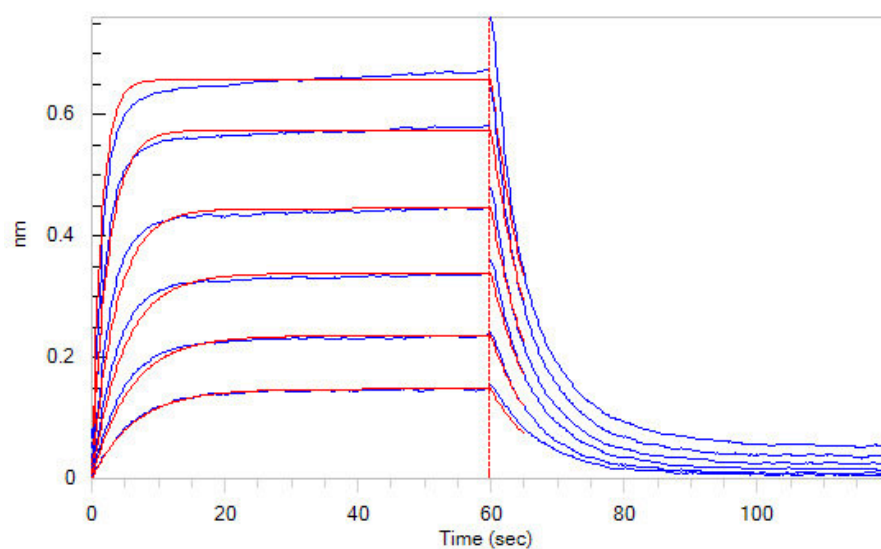


BIOSYSTEMS  
**Acro**  
Surprise Inside!



Immobilized Human Nectin-2, Mouse IgG2a Fc Tag (Cat. No. CD2-H5257) at 1 µg/mL (100 µL/well) can bind Cynomolgus PVRIG, Fc Tag (Cat. No. PVG-C5259) with a linear range of 0.5-8 ng/mL (QC tested).

## Bioactivity-BLI



Loaded Cynomolgus PVRIG, Fc Tag (Cat. No. PVG-C5259) on Protein A Biosensor, can bind Human Nectin-2, His Tag (Cat. No. PV2-H52E2) with an affinity constant of 0.44 µM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

## Background

Human PVRIG (poliovirus receptor related immunoglobulin domain-containing protein), also known as CD112 receptor (CD112R), is an approximately 34 kDa single transmembrane protein in the poliovirus receptor-like protein (PVR) family. The CD112R gene encodes a putative single transmembrane protein, which is composed of a single extracellular IgV domain, one transmembrane domain, and a long intracellular domain. Notably, the intracellular domain of phatases. The extracellular domain sequence of human and mouse CD112R have 65.3% similarity. CD112R may act as a coinhibitory receptor that suppresses T-cell receptor-mediated signals.

## Clinical and Translational Updates

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