

# Human PVRIG Protein, His Tag (MALS verified)

Catalog # PVG-H52H5



BIOSYSTEMS  
**Acro**

## Synonyms

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

## Source

Human PVRIG, His Tag (PVG-H52H5) is expressed from human 293 cells (HEK293). It contains AA Thr 41 - Asp 171 (Accession # [Q6DKI7-1](#)).

Predicted N-terminus: 0

## Molecular Characterization

PVRIG(Thr 41 - Asp 171)  
Q6DKI7-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 15.7 kDa. The protein migrates as 22-30 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.**

## Shipping and Storage

This product is shipped at ambient temperature.

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

**Please avoid repeated freeze-thaw cycles.**

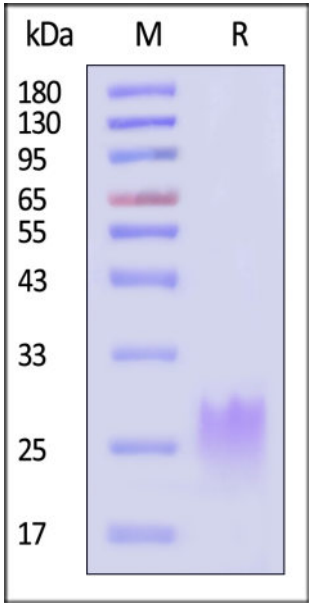
This product is stable after storage at:

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

## ACRO Quality Management System

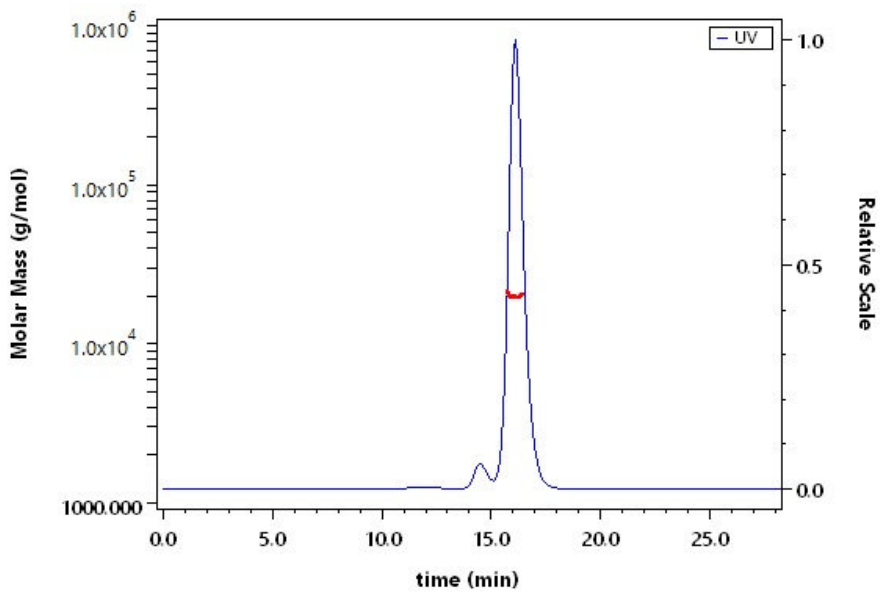
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



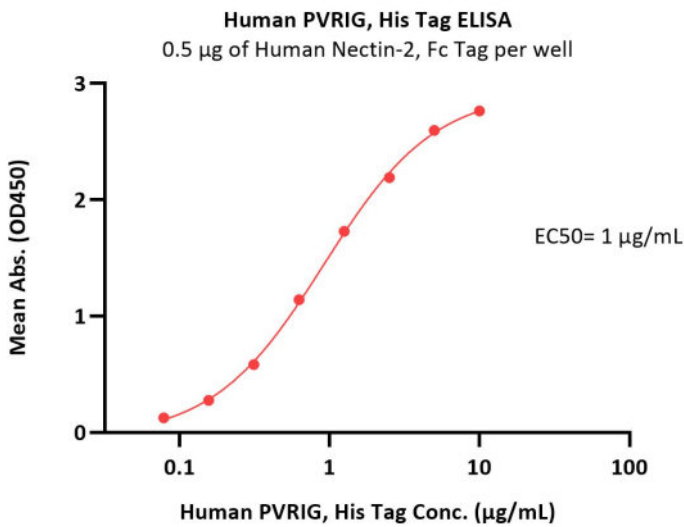
Human PVRIG, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

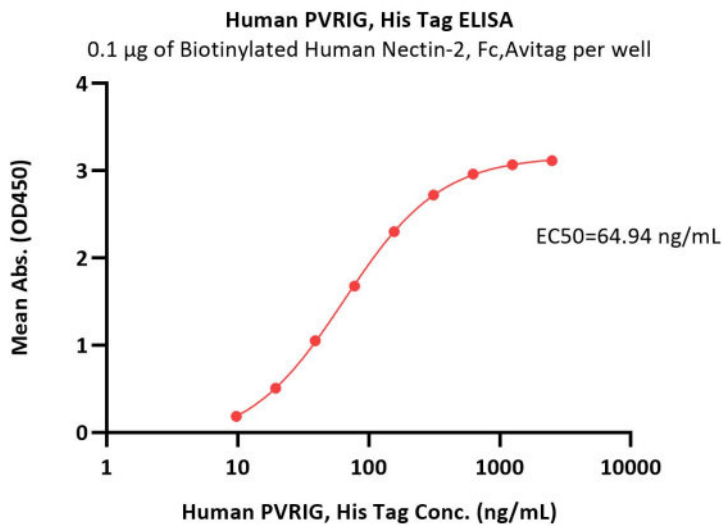


The purity of Human PVRIG, His Tag (Cat. No. PVG-H52H5) is more than 95% and the molecular weight of this protein is around 16-25 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human Nectin-2, Fc Tag (Cat. No. PV2-H5253) at 5 µg/mL (100 µL/well) can bind Human PVRIG, His Tag (Cat. No. PVG-H52H5) with a linear range of 0.08-2.5 µg/mL (QC tested).



Immobilized Biotinylated Human Nectin-2, Fc,Avitag (Cat. No. CD2-H82F8) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human PVRIG, His Tag (Cat. No. PVG-H52H5) with a linear range of 10-78 ng/mL (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.



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