

# Rat PVRIG Protein, His Tag (MALS verified)

Catalog # PVG-R52H8



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## Synonym

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

## Source

Rat PVRIG, His Tag(PVG-R52H8) is expressed from human 293 cells (HEK293). It contains AA Ser 22 - Thr 152 (Accession # [XP\\_006249093.1](#)). Predicted N-terminus: Ser 22

## Molecular Characterization

PVRIG(Ser 22 - Thr 152)  
XP\_006249093.1 Poly-his

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

The protein has a calculated MW of 16.5 kDa. The protein migrates as 20 kDa and 25-29 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.

## Purity

>90% as determined by SDS-PAGE.

>90% 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.*

## Storage

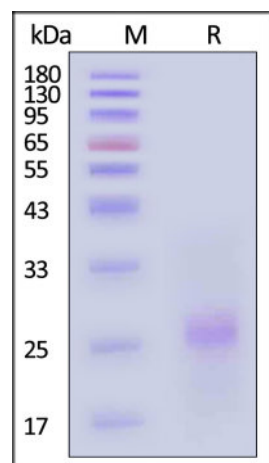
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

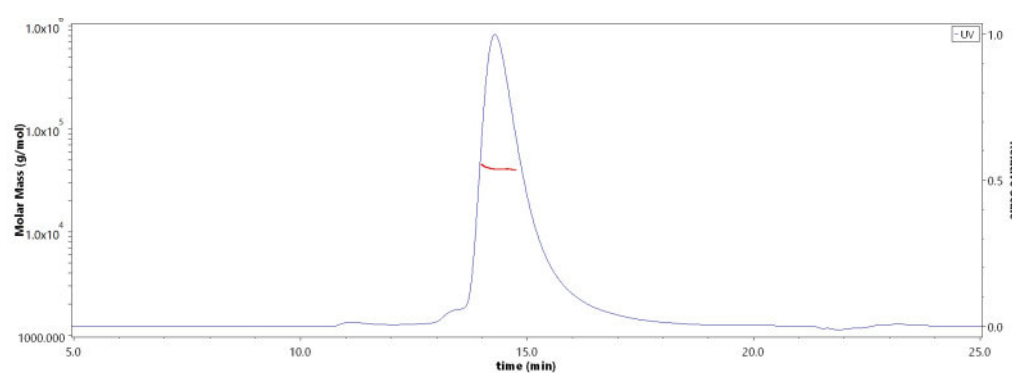
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Rat 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 Rat PVRIG, His Tag (Cat. No. PVG-R52H8) is more than 90% and the molecular weight of this protein is around 35-45 kDa verified by SEC-MALS.

[Report](#)

## 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

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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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