

Active Recombinant Cynomolgus PVRIG protein, Fc-tagged

Cat. No. PVRIG-230C **Lot. No.** (See product label)

SPECIFICATION

| | |
|-----------------------------|--|
| Product Overview | Recombinant Cynomolgus PVRIG (Thr41-Asp171) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293). |
| Species | Cynomolgus |
| Source | HEK293 |
| ProteinLength | Thr41-Asp171 |
| Description | 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. |
| Predicted N Terminal | Thr41 |
| Form | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose. |
| Molecular Mass | 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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |
| Purity | >95% as determined by SDS-PAGE. |
| Storage | <p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p> |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

GENE INFORMATION

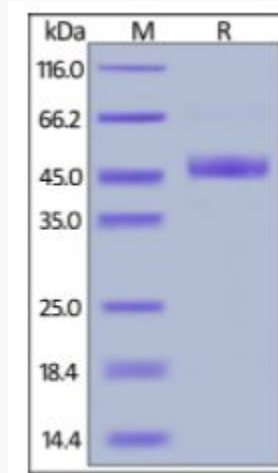
| | |
|------------------------|---|
| Gene Name | PVRIG |
| Official Symbol | PVRIG |
| Synonyms | PVRIG; poliovirus receptor related immunoglobulin domain containing; transmembrane protein PVRIG; C7orf15; MGC2463; poliovirus receptor-related immunoglobulin domain-containing protein; MGC104322; MGC138295; MGC138297 |
| Gene ID | 102127364 |
| mRNA Refseq | XM_005549224.2 |
| Protein Refseq | XP_005549281.1 |
| UniProt ID | A0A2K5WVV8 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

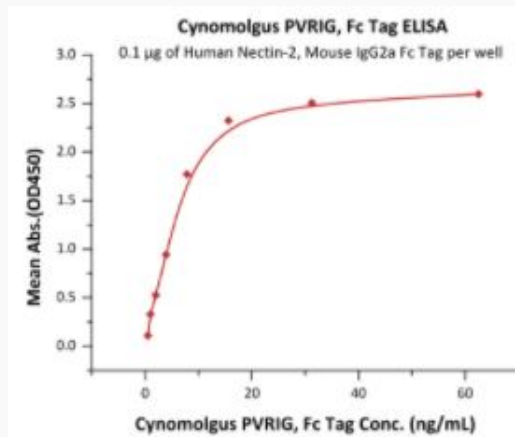
 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE of PVRIG-230C



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

Bioactivity-ELISA of PVRIG-230C



Immobilized Human Nectin-2, Mouse IgG2a Fc Tag at 1 µg/mL (100 µL/well) can bind Cynomolgus PVRIG, Fc Tag with a linear range of 0.5-8 ng/mL (QC tested).

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA