

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.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
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

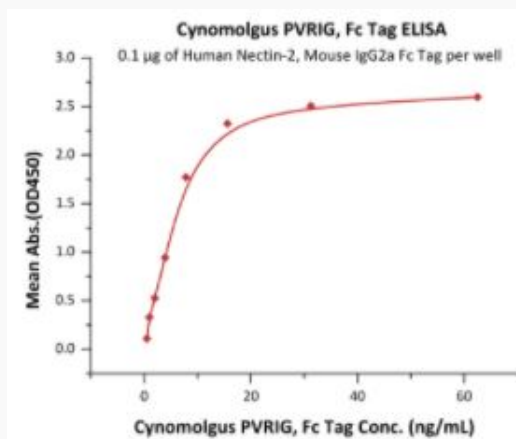
Gene Name	PVRIG
Official Symbol	PVRIG
Synonyms	PVRIG; poliovirus receptor related immunoglobulin domain containing; transmembrane protein PVRIG; C7orf15; MGC2463; poliovirus receptor-related immunoglobulin domain-containing protein; MGC104322; MGC138295; MGC138297
Gene ID	102127364
mRNA Refseq	XM_005549224.2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

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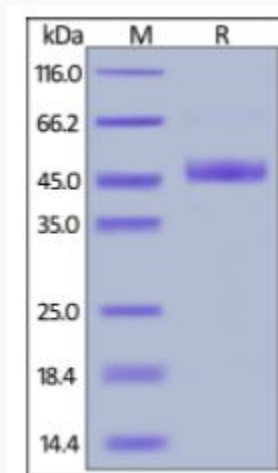
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Bioactivity-ELISA of PVRIG-230C



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).

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%.