

Active Recombinant Monkey PVRIG Protein, His-tagged

Cat. No. PVRIG-11144M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus PVRIG Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Thr 41 - Asp 171 (Accession # A0A2K5WV8-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Thr 41
Species	Monkey
Source	HEK293
ProteinLength	41-171 aa
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.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus PVRIG Protein, His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human Nectin-2, Mouse IgG2a Fc, Avitag with a linear range of 0.3-5 ng/mL.

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Molecular Mass	The protein has a calculated MW of 15.6 kDa. The protein migrates as 20-27 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	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. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PVRIG PVR related immunoglobulin domain containing [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	PVRIG
Synonyms	PVRIG; PVR related immunoglobulin domain containing; transmembrane protein PVRIG; poliovirus receptor related immunoglobulin domain containing
Gene ID	102127364
mRNA Refseq	XM_005549224

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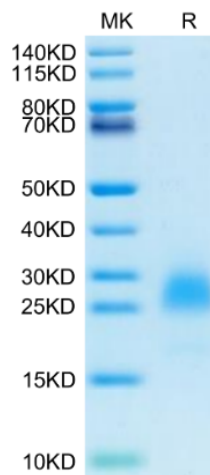
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Protein Refseq XP_005549281

UniProt ID A0A2K5WVV8

SDS-PAGE.



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