

Datasheet for ABIN7275508

PVRIG Protein (AA 35-165) (Fc-Avi Tag,Biotin)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PVRIG
Protein Characteristics:	AA 35-165
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRIG protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse PVRIG Protein
Sequence:	Ser35-Asp165
Characteristics:	Recombinant Biotinylated Mouse PVRIG Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Ser35-Asp165.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 2.22 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

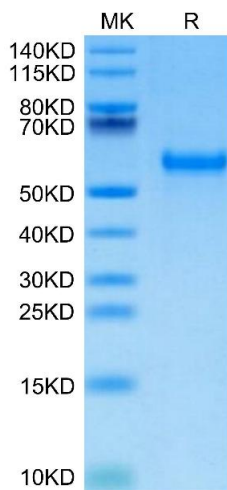
Target:	PVRIG
Alternative Name:	PVRIG (PVRIG Products)
Background:	Murine PVRIG interacted weakly with poliovirus receptor (PVR) but bound poliovirus receptor-like 2 (PVRL2) strongly, making the latter its principal ligand.PVRIG is an inducible checkpoint receptor and that targeting PVRIG-PVRL2 interactions results in increased CD8+ T-cell function and reduced tumor growth.
Molecular Weight:	42.7 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
UniProt:	A0A1B0GS01

Application Details

Restrictions:	For Research Use only
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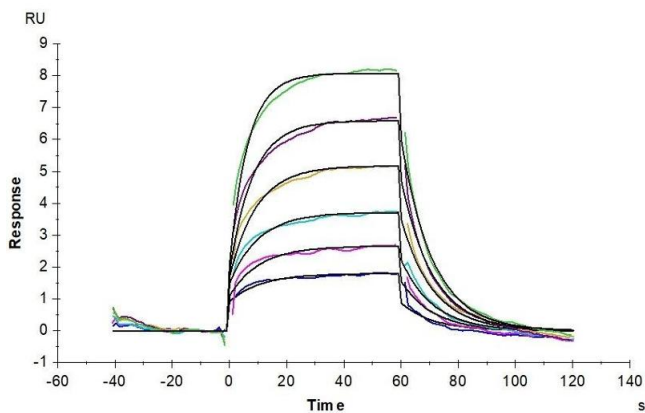
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Biotinylated Mouse PVRIG on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. Biotinylated Mouse PVRIG, hFc-Avi Tag captured on CM5 Chip via Protein A can bind Mouse Nectin-2, His Tag with an affinity constant of 2.22 μ M as determined in SPR assay (Biacore T200).