

Datasheet for ABIN1096296

## Poliovirus Receptor Protein (PVR) (AA 21-343) (His tag)



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### Overview

Quantity:	50 µg
Target:	Poliovirus Receptor (PVR)
Protein Characteristics:	AA 21-343
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Poliovirus Receptor protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Poliovirus Receptor/PVR/CD155 (C-6His)
Sequence:	<p>WPPPGTGDVV VQAPTQVPGF LGDSVTLPCY LQVPNMEVTH VSQLTWARHG ESGSMAVFHQ</p> <p>TQGPSYSESK RLEFVAARLG AELRNASLRM FGLRVEDEGN YTCLFVTFPQ GSRSVDIWLR</p> <p>VLAKPQNTAE VQKVQLTGEP VPMARCVSTG GRPPAQITWH SDLGGMPNTS QVPGFLSGTV</p> <p>TVTSLWILVP SSQVDGKNVT CKVEHESFEK PQLLTVNLTV YYPEVSISG YDNNWYLGQN</p> <p>EATLTCDARS NPEPTGYNWS TTMGPLPPFA VAQGAQLLIR PVDKPINTTL ICNVTNALGA</p> <p>RQAELTVQVK EGPPSEHSGM SRNVDHHHHH H</p>
Characteristics:	Recombinant Human Poliovirus Receptor/PVR is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Trp21-Asn343) of Human PVR fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

## Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

## Target Details

Target:	Poliovirus Receptor (PVR)
Alternative Name:	cd155 ( <a href="#">PVR Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Poliovirus Receptor (PVR) is a 70 kDa type I transmembrane single-span glycoprotein that belongs to the nectin-like (Nect) family and was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. PVR contains three Ig-like extracellular domains, a transmembrane segment, and a cytoplasmic tail. The normal cellular function of PVR maybe the involvement of intercellular adhesion between epithelial cells. Alternate splicing of the PVR mRNA yields four different isoforms (alpha, beta, gamma, and delta) with identical extracellular domains.</p> <p>Alternative Names: Poliovirus Receptor, Nectin-Like Protein 5, NECL-5, CD155, PVR, PVS</p>
Molecular Weight:	36.13 kDa
UniProt:	<a href="#">P15151</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Restrictions: For Research Use only

## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C

Handling

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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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