Datasheet for ABIN7505710

# Poliovirus Receptor Protein (PVR) (AA 1-343) (His tag)

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## Overview

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| Quantity: | 100 µg |
| Target: | Poliovirus Receptor (PVR) |
| Protein Characteristics: | AA 1-343 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Poliovirus Receptor protein is labelled with His tag. |

## Product Details

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| Sequence: | Met1-Asn343 |
| Characteristics: | A DNA sequence encoding the Human CD155 protein (P15151) (Met1-Asn343) was expressed with a C-His. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |

## Target Details

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| Target: | Poliovirus Receptor (PVR) |
| Alternative Name: | CD155 (PVR Products) |
| Background: | Abbreviation: CD155,PVR,NECL5<br>Target Synonym: Poliovirus Receptor,Nectin-Like Protein 5,NECL-5,CD155,PVR,PVS<br>Background: Poliovirus Receptor (PVR) is a 70 kDa type I transmembrane single-span glycoprotein that belongs to the nectin-like (Necl) family and was originally identified based on |

## Target Details

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| | 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 adhension between epithelial cells. Alternate splicing of the PVR mRNA yields four different isoforms (α, β, γ, and δ) with identical extracellular domains. |
| Molecular Weight: | Calculated MW: 37.62 kDa<br>Observed MW: 60 kDa |
| UniProt: | P15151 |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Cancer Immune Checkpoints, SARS-CoV-2 Protein Interactome |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Buffer: | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Expiry Date: | 12 months |