

Recombinant Human Poliovirus Receptor

Cat. No. PVR-4761H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | PVR was fused with a C-terminal 6-His tag and has a calculated MW of 35.3 KDa. DTT-reduced protein migrates as 60-70 kDa polypeptide in SDS-PAGE. |
| Species | Human |
| Source | HEK293 |
| Description | PVR is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells |
| Form | Bulk protein in a 0.22 µm filtered solution of PBS, pH7.4 and delivered as liquid formulation or lyophilized powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization. |
| Purity | >95% as determined by SDS-PAGE. All lots are greater than 95% pure. |
| Endotoxin | Less than 1.0 EU per 1 µg of the rhCD155 by the LAL method. |
| Storage | Store at -80°C upon received. Avoid repeated freeze-thaw cycles. |

GENE INFORMATION

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| Gene Name | PVR poliovirus receptor [Homo sapiens] |
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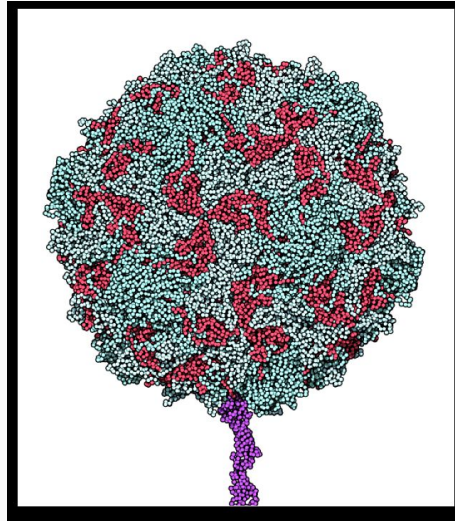
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|----------------------------|---|
| Official Symbol | PVR |
| Synonyms | PVR; poliovirus receptor; PVS; HVED; CD155; NECL5; TAGE4; Necl-5; FLJ25946; poliovirus receptor; nectin-like 5; Tage4; FLJ25946; Nectin-like protein 5; CD155 antigen; OTTHUMP00000200165; OTTHUMP00000200167; OTTHUMP00000200168 |
| Gene ID | 5817 |
| mRNA Refseq | NM_001135768 |
| Protein Refseq | NP_001129240 |
| MIM | 173850 |
| UniProt ID | P15151 |
| Chromosome Location | 19q13.2 |
| Pathway | Cell adhesion molecules (CAMs); Cell-cell adhesion systems; Adaptive Immunity Signaling; Adaptive Immunity Signaling; Nectin adhesion pathway; Nectin/Necl trans heterodimerization |
| Function | cell adhesion molecule binding; protein binding; receptor activity |

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Poliovirus (in red and blue) bound to the poliovirus receptor CD155 (purple)



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