

**Human CellExp CD155, human recombinant protein**  
**PVR, FLJ25946, PVS, CD155, TAGE4, HVED, NECL5, cluster of differentiation 155.**  
**Catalog # PBV11083r**

## Specification

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### Human CellExp CD155, human recombinant protein - Product info

Primary Accession  
Calculated MW

[P15151](#)

This protein is fused with a C-terminal 6×his tag and has a calculated MW of 28 kDa. The predicted N-terminus is Trp21. DTT-reduced protein migrates as 50-65 kDa polypeptide in SDS-PAGE resulting from glycosylation. KDa

### Human CellExp CD155, human recombinant protein - Additional Info

Gene ID  
Gene Symbol

**5817**  
**PVR**

#### Other Names

PVR, FLJ25946, PVS, CD155, TAGE4, HVED, NECL5, cluster of differentiation 155.

Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
Results

**Human**  
**HEK293 cells**  
**SDS-PAGE; ≥95%**  
**N/A;**  
**Yes**  
**Measured by its ability to bind with recombinant human DNAM1 / CD226 in a functional ELISA assay**

**Target/Specificity**  
CD155

### Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

### Format

Lyophilized

### Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

### Human CellExp CD155, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp CD155, human recombinant protein - Images**

#### **Human CellExp CD155, human recombinant protein - Background**

CD155 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. CD155/PVR was originally isolated based on its ability to mediate polio virus attachment to host cells. The full length (or CD155 alpha isoform) is synthesized as a 417 amino acid (aa) precursor that contains a 20 aa signal sequence, a 323 aa extracellular region, a 24 aa TM segment and a 50 aa cytoplasmic tail. The extracellular region contains one N terminal V type and two C2 type Ig like domains. It has 3 extracellular immunoglobulin-like domains, D1-D3, where D1 is recognized by the virus. Low resolution structures of CD155 complexed with poliovirus have been obtained using electron microscopy[1] while a high resolution structures of the ectodomain D1 and D2 of CD155 were solved by x-ray crystallography.

#### **Human CellExp CD155, human recombinant protein - References**

Mendelsohn C.L.,et al.Cell 56:855-865(1989).  
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Koike S.,et al.EMBO J. 9:3217-3224(1990).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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