

# Recombinant Human PVR/CD155 Protein

Catalog No.: RP00296 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5817	P15151

### Tags

C-His

### Synonyms

CD155; HVED; NECL5; Necl-5; PVS;  
TAGE4;PVR;HVED;NECL5;Necl-5;PVS;TAG  
E4

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS- PAGE.

**Calculated MW** **Observed MW**

### Endotoxin

&lt; 1.0 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

The recombinant human PVR consists of 323 amino acids with a molecular weight of 35.1 kDa. CD155 is also known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5). It is a type I transmembrane single-span glycoprotein belonging to the nectins and nectin-like (Necl) subfamily. CD155/PVR was originally isolated based on its ability to mediate polio virus attachment to host cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates. It has been demonstrated that CD155 can be recognized and bound by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.

## Basic Information

### Description

Recombinant Human PVR/CD155 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp28-Asn343) of human CD155/PVR (Accession #NP\_006496.4) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

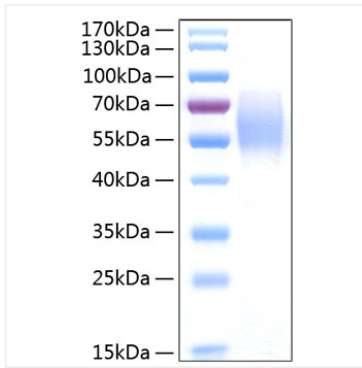
Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human PVR/CD155 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60 kDa.