

## Recombinant Human PVR Protein, His-tagged

**Cat. No.** PVR-2645H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human PVR Protein (Trp21-Asn343) with a N-His tag was expressed in E. coli.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Trp21-Asn343   |
| <b>Description</b>      | The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 38.8 kDa<br>Accurate Molecular Mass: 39 kDa  |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).   |
| <b>Purity</b>           | > 90%  |

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|                       |  |
|-----------------------|--|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.  |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | PVR poliovirus receptor [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | PVR   |
| <b>Synonyms</b>        | PVR; poliovirus receptor; PVS; CD155; HVED; Necl 5; NECL5; nectin like 5; Tage4; nectin-like 5; nectin-like protein 5; TAGE4; Necl-5; FLJ25946; |
| <b>Gene ID</b>         | 5817  |
| <b>mRNA Refseq</b>     | NM_001135768  |
| <b>Protein Refseq</b>  | NP_001129240  |

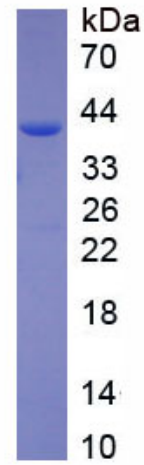
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