# Recombinant Human PVRL1 Protein (ECD), His-tagged(C-ter)

**Cat. No.** PVRL1-276H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human PVRL1 Protein (ECD) with His tag (C-ter) was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | Met1-Thr334 |
| **Description** | This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini. [provided by RefSeq, Oct 2009] |
| **Form** | Powder |
| **Endotoxin** | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test. |

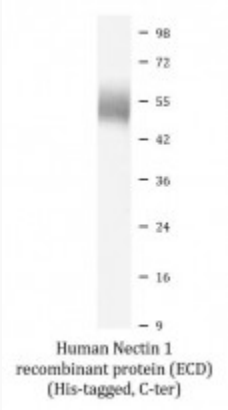
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| **Purity** | > 97% (by SDS-PAGE) |
| **Applications** | Binding, SDS-PAGE |
| **Notes** | For laboratory research only, not for drug, diagnostic or other use. |
| **Storage** | Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| **Storage Buffer** | PBS (pH 7.4) |
| **Reconstitution** | Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water. |

## GENE INFORMATION

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| **Gene Name** | PVRL1 poliovirus receptor-related 1 (herpesvirus entry mediator C) [ Homo sapiens ] |
| **Official Symbol** | PVRL1 |
| **Synonyms** | PVRL1; poliovirus receptor-related 1 (herpesvirus entry mediator C); ED4, HVEC; poliovirus receptor-related protein 1; CD111; CLPED1; HIgR; nectin; OFC7; PRR; PRR1; PVRR1; SK 12; nectin 1; poliovirus receptor-like 1; herpesvirus Ig-like receptor; herpes virus entry mediator C; ectodermal dysplasia 4 (Margarita Island type); ED4; HVEC; PVRR; SK-12; nectin-1; MGC16207; MGC142031; |
| **Gene ID** | 5818 |
| **mRNA Refseq** | NM_002855 |

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| **Protein Refseq** | NP_002846 |
| **MIM** | 600644 |
| **UniProt ID** | Q15223 |
| **SDS-PAGE** | <br>Human Nectin 1 recombinant protein (ECD) (His-tagged, C-ter) |

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