

## Product datasheet for **TP311214**

### **PVRL1 (NECTIN1) (NM\_002855) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human poliovirus receptor-related 1 (herpesvirus entry mediator C) (PVRL1), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC211214 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MARMGLAGAAGRWWGLALGLTAFFLPGVHSQWQVNDSEMYGFIGTDVWLHCSFANPLPSVKITQVTWQKS  
TNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPSFTDGTIRLSRLELEDEGVYCEFATFPTGNRESQNLN  
TVMAKPTNWIETQAVLRAKKGQDDKVLVATCTSANGKPPSVSWETRLKGEAEYQEIRNPNGTPTVISR  
YRLVPSREAHQQLACIVNYHMDRFKESLTINVQYEPEVTIEGFDGNWYLQRMDEVKLTCKADANPPATEY  
HWTTLNGSLPKGVEAQNRTLFFKGPIINYSAGTYICEATNPIGTRSGQVEVNITEFPYTPSPPEHGRRAG  
PVPTAIIGGVAGSILLVLIVGGIVVALRRRHTFKGDYSTKKHVGNGYSKAGIPQHHPMAQNLQYPD  
DSDDEKKAGPLGGSSYYYYYYYYGGGGGERKVGPPHYPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQY  
DPEQLDLAENMVSQNDGSGFISKKEWYV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 54 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

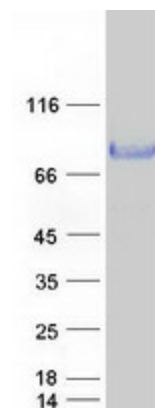
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002846</a>
<b>Locus ID:</b>	5818
<b>UniProt ID:</b>	<a href="#">Q15223</a>
<b>RefSeq Size:</b>	5493
<b>Cytogenetics:</b>	11q23.3
<b>RefSeq ORF:</b>	1551
<b>Synonyms:</b>	CD111; CLPED1; ED4; HlgR; HV1S; HVEC; nectin-1; OFC7; PRR; PRR1; PVRL1; PVRR; PVRR1; SK-12
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Adherens junction, Cell adhesion molecules (CAMs)

### Product images:



Coomassie blue staining of purified NECTIN1 protein (Cat# TP311214). The protein was produced from HEK293T cells transfected with NECTIN1 cDNA clone (Cat# [RC211214]) using MegaTran 2.0 (Cat# [TT210002]).