

## Product datasheet for PH311214

### PVRL1 (NECTIN1) (NM\_002855) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PVRL1 MS Standard C13 and N15-labeled recombinant protein (NP_002846)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211214
Predicted MW:	57.2 kDa
Protein Sequence:	>RC211214 protein sequence Red=Cloning site Green=Tags(s)

MARMGLAGAAGRWWGLALGLTAFFLPGVHSQVVQVNDSMYGFIGTDVVLHCSFANPLPSVKITQVTWQKS  
TNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPSFTDGTIRLSRLELEDEGVYICEFATFPTGNRESQLNL  
TYMAKPTNWIIEGTQAVLRAKKGQDDKVLVATCTSANGKPPSVVSWETRLKGEAEYQEIRNPNGTIVTISR  
YRLVPSREAHQQSLACIVNYHMDRFKESLTLNVQYEPEVTIEGFDGNWYLQRMVCLKTCKADANPPATEY  
HWTTLNGSLPKGVAEQNRTLFFKGPINYSLAGTYICEATNPIGTRSGQVEVNITEFPYTPSPEHGRRAG  
PVPTAIIGGVAGSILLVLI VVGIVVALRRRRHTFKGDYSTKHHVYNGYSGKAGIPQHHPMAQNLQYPD  
DSDDEKKAGPLGGSSYYYYEEEEEGGGGERKVGPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQY  
DPEQLDLAENMVSQNDGSFISKKEWYV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002846</a>
RefSeq Size:	5493
RefSeq ORF:	1551



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**Synonyms:** CD111; CLPED1; ED4; HIgR; HV1S; HVEC; nectin-1; OFC7; PRR; PRR1; PVRL1; PVRR; PVRR1; SK-12

**Locus ID:** 5818

**UniProt ID:** [Q15223](#)

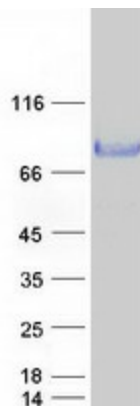
**Cytogenetics:** 11q23.3

**Summary:** 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]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** 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]).