

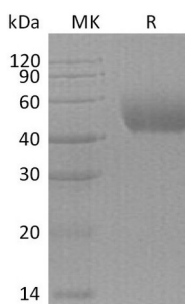
**Product Name: Recombinant Human Nectin-1 (C-6His)**  
**Catalog #: PHH1202**



## Summary

<b>Name</b>	Nectin-1/PVRL1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Poliovirus Receptor-Related Protein 1 is produced by our Mammalian expression system and the target gene encoding Gln31-Thr334 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q15223
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	34.99 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

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**Alternative Names**

Poliovirus Receptor-Related Protein 1; Herpes Virus Entry Mediator C; Herpesvirus Entry Mediator C; HveC; Herpesvirus Ig-Like Receptor; HlgR; Nectin-1; CD111; PVRL1; HVEC; PRR1

**Background**

Nectin-1 is a type I transmembrane glycoprotein belonging to the Ig superfamily. Nectin-1 promotes cell-cell contacts by forming homophilic or heterophilic transdimers. Heterophilic interactions have been detected between Nectin-1 and Nectin-3 and between Nectin-1 and Nectin-4. Nectin ECDs contain three Ig like domains: an N terminal V type that mediates ligand binding, and two C2 type. Nectin-1 binds viral Glycoprotein D to mediate Herpesvirus (but not Poxvirus) entry into vaginal mucosa, sensory neurons and fibroblasts. In forming adherens junctions and synapses, Nectin-1 and Nectin-3 initiate cell-cell interactions, recruiting  $\alpha\beta3$  integrin extracellularly and cadherins intracellularly through afadin and other junctional proteins. These interactions organize the cytoskeleton, strengthen attachment to basement membrane and promote further cell-cell connections. Nectin-1 and Nectin-3 have been found to localize assymmetrically along the chemical synapse, with Nectin-1 primarily on the axonal side and Nectin-3 on the dendritic side. Deficiency of Nectin-1 can result in cleft lip/palate ectodermal dysplasia. Nectin-1 downregulation in epithelial cancers is mediated in part by ectodomain shedding, but it may contribute to invasiveness.

**Note**

For Research Use Only , Not for Diagnostic Use.