

## Nectin-1 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70494
<b>Synonyms:</b>	Poliovirus Receptor-Related Protein 1; Herpes Virus Entry Mediator C; Herpesvirus Entry Mediator C; HveC; Herpesvirus Ig-Like Receptor; HIgR; Nectin-1; CD111; PVRL1; HVEC; PRR1
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q15223-1 (Q31-T334)
<b>Gene ID:</b>	5818
<b>Molecular Weight:</b>	40-60 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> Q V V Q V N D S M Y   G F I G T D V V L H   C S F A N P L P S V   K I T Q V T W Q K S T N G S K Q N V A I   Y N P S M G V S V L   A P Y R E R V E F L   R P S F T D G T I R L S R L E L E D E G   V Y I C E F A T F P   T G N R E S Q L N L   T V M A K P T N W I E G T Q A V L R A K   K G Q D D K V L V A   T C T S A N G K P P   S V V S W E T R L K G E A E Y Q E I R N   P N G T V T V I S R   Y R L V P S R E A H   Q Q S L A C I V N Y H M D R F K E S L T   L N V Q Y E P E V T   I E G F D G N W Y L   Q R M D V K L T C K A D A N P P A T E Y   H W T T L N G S L P   K G V E A Q N R T L   F F K G P I N Y S L A G T Y I C E A T N   P I G T R S G Q V E   V N I T           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The Nectin-1 Protein facilitates cell-cell contacts through the formation of homophilic or heterophilic trans-dimers. It is known to engage in heterophilic interactions with Nectin-3 and Nectin-4. Additionally, this protein exhibits neurite outgrowth-promoting activity. In the context of microbial infection, Nectin-1 acts as a receptor for herpes simplex virus 1 (HHV-1), herpes simplex virus 2 (HHV-2), and pseudorabies virus (PRV).
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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