

Nectin-4 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P72401
Synonyms:	PVRL4; Nectin-4; Ig superfamily receptor LNIR; Poliovirus receptor-related protein 4; PRR4; LNIR
Species:	Human
Source:	HEK293
Accession:	Q96NY8 (G32-V351)
Gene ID:	81607
Molecular Weight:	40-50 kDa

PROPERTIES

AA Sequence	<pre> G E L E T S D V V T V V L G Q D A K L P C F Y R G D S G E Q V G Q V A W A R V D A G E G A Q E L A L L H S K Y G L H V S P A Y E G R V E Q P P P P R N P L D G S V L L R N A V Q A D E G E Y E C R V S T F P A G S F Q A R L R L R V L V P P L P S L N P G P A L E E G Q G L T L A A S C T A E G S P A P S V T W D T E V K G T T S S R S F K H S R S A A V T S E F H L V P S R S M N G Q P L T C V V S H P G L L Q D Q R I T H I L H V S F L A E A S V R G L E D Q N L W H I G R E G A M L K C L S E G Q P P P S Y N W T R L D G P L P S G V R V D G D T L G F P P L T T E H S G I Y V C H V S N E F S S R D S Q V T V D V L D P Q E D S G K Q V D L V S A S V V </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Nectin-4 Protein IgV domain plays a crucial role in cell adhesion, engaging in both trans-homophilic and -heterophilic interactions. Specifically, it forms interactions with NECTIN1, contributing to cellular adhesion processes. However, it does not function as a receptor for alpha-herpesvirus entry into cells. In the context of microbial infection, the Nectin-4 IgV domain acts as a receptor for measles virus, facilitating the entry of the virus into host cells. This highlights the dual role of
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Nectin-4 in cell adhesion and its significance as a specific receptor for measles virus infection.

Caution: Product has not been fully validated for medical applications. For research use only.

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