

Nectin-3/CD113 Protein, Human (309a.a, HEK293, His)

Cat. No.:	HY-P7782
Synonyms:	rHuCD113, His; Poliovirus Receptor-Related Protein 3; CDw113; Nectin-3; CD113; PVRL3; PRR3
Species:	Human
Source:	HEK293
Accession:	Q9NQS3 (G58-P366)
Gene ID:	25945
Molecular Weight:	Approximately 54 kDa

PROPERTIES

AA Sequence	<pre> G P I I V E P H V T A V W G K N V S L K C L I E V N E T I T Q I S W E K I H G K S S Q T V A V H H P Q Y G F S V Q G E Y Q G R V L F K N Y S L N D A T I T L H N I G F S D S G K Y I C K A V T F P L G N A Q S S T T V T V L V E P T V S L I K G P D S L I D G G N E T V A A I C I A A T G K P V A H I D W E G D L G E M E S T T T S F P N E T A T I I S Q Y K L F P T R F A R G R R I T C V V K H P A L E K D I R Y S F I L D I Q Y A P E V S V T G Y D G N W F V G R K G V N L K C N A D A N P P P F K S V W S R L D G Q W P D G L L A S D N T L H F V H P L T F N Y S G V Y I C K V T N S L G Q R S D Q K V I Y I S D P P T T T T L Q P H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, 5% Trehalose, 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.
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	<p>Nectin is a Ca²⁺-independent immunoglobulin-like intercellular adhesion molecule. Nectin comprises a family of at least four members nectin-1, nectin-2, nectin-3 and nectin-4. All the members have two or three splice variants (except nectin-4), and have an extracellular region containing three Ig-like domains, a single transmembrane region and a cytoplasmic region (except nectin-1γ). Nectin-1, nectin-2 and nectin-3 are ubiquitously expressed in a variety of cells. Nectin-2 and nectin-3 are also expressed in cells that lack cadherins. Nectin-4 is expressed mainly in the placenta. Nectin-3 has three splicing variants,</p>
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nectin-3 α (biggest), -3 β (middle), and -3 γ (smallest). Nectin-3 α consists of three extracellular immunoglobulin-like domains, a transmembrane segment, and a cytoplasmic region with the C-terminal consensus motif for binding to the PDZ domain^[1] [2].

REFERENCES

[1]. Takai Y, et, al. Nectin and afadin: novel organizers of intercellular junctions. J Cell Sci. 2003 Jan 1;116(Pt 1):17-27.

[2]. Satoh-Horikawa K, et, al. Nectin-3, a new member of immunoglobulin-like cell adhesion molecules that shows homophilic and heterophilic cell-cell adhesion activities. J Biol Chem. 2000 Apr 7;275(14):10291-9.

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

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