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Datasheet for ABIN1097209

**nectin-3 Protein (AA 58-366) (His tag)**

## Overview

Quantity:	50 µg
Target:	nectin-3 (NECTIN3)
Protein Characteristics:	AA 58-366
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This nectin-3 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Nectin-3/PVRL3/CD113 (C-6His)
Sequence:	GPIIVEPHVT AVWGKNVSLK CLIEVNETIT QISWEKIHGK SSQTVAVHHP QYGFSVQGEY QGRVLFKNYS LNDATITLHN IGFSDSGKYI CKAFTFPLGN AQSSTTVTVL VEPTVSLIKG PDSLIDGGNE TVAAICIAAT GKPVAHIDWE GDLGEMESTT TSFPNETATI ISQYKLPTR FARGRRITCV VKHQALEKDI RYSFILD IQY APEVSVTG YD GNW FVGRKGV NLKCNADANP PPFKSVWSRL DGQWPDGLLA SDNTLHFVHP LTFNYSGVYI CKVTNSLGQR SDQKVIYISA YNSVASLNCV DHHHHHHH
Characteristics:	Recombinant Human Nectin-3 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gly58-Cys366) of Human PVRL3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

## Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

## Target Details

Target: nectin-3 (NECTIN3)

Alternative Name: nectin-3 ([NECTIN3 Products](#))

Sub Type: Fusionprotein

Background: Nectin-3 is a type I transmembrane glycoprotein that belongs to the nectin family. Its precursor is 549 amino acids in length and contains an extended signal sequence of 57 amino acids, an extracellular domain (ECD) of 347 amino acids, a transmembrane segment of 21 amino acids, and a cytoplasmic region of 124 amino acids. It is predominantly expressed in testis and placenta as well as in various cell lines, including epithelial cell lines. Nectin-3 plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/Nectin-2 at Sertoli-spermatid junctions. Nectin-3 is also involved in the formation of cell-cell junctions, including adherens junctions and synapses.

Alternative Names: Poliovirus Receptor-Related Protein 3, CDw113, Nectin-3, CD113, PVRL3, PRR3

Molecular Weight: 34.96 kDa

UniProt: [Q9NQS3](#)

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

## Handling

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Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

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