

# Recombinant human Nectin-1 protein

Catalog Number: ATGP3283

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

31-355aa

### UniProt No.

Q15223

### NCBI Accession No.

NP\_002846

### Alternative Names

PVRL1, CD111, CLPED1, ED4, HIgR, HVIS, HVEC, Nectin-1, OFC7, PRR, PRR1, PVRR, PVRR1, SK-12

## PRODUCT SPECIFICATION

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### Molecular Weight

37.3 kDa (334aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Nectin-1, also known as PVRL1, is a poliovirus receptor-related 1 protein which belongs to the nectin family. This protein promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between PVRL1/nectin-1 and PVRL3/nectin-3 and between PVRL1/nectin-1 and PVRL4/nectin-4. It functions as an entry receptor for herpes simplex virus and pseudorabies virus. Also, PVRL1 has some

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neurite outgrowth-promoting activity. Recombinant human PVRL1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

ADPQVVQVND SMYGFIGTDV VLHCSFANPL PSVKITQVTW QKSTNGSKQN VAIYNPSMGV SVLAPYRERV EFLRPSFTDG  
TIRLSRLELE DEGVYICEFA TFPTGNRESQ LNLTVMAKPT NWIEGTQAVL RAKKGQDDKV LVATCTSANG KPPSVVSWET  
RLKGAEYQE IRNPNGTVTV ISRYRLVPSR EAHQQSLACI VNYHMDFRKE SLTLNVQYEP EVTIEGFDGN WYLQRMDVKL  
TCKADANPPA TEYHWTTLNG SLPKGVEAQN RTLFFKGPIN YSLAGTYICE ATNPIGTRSG QVEVNITEFP YTPSPPEHGR  
RAGPVPTAHH HHHH

## General References

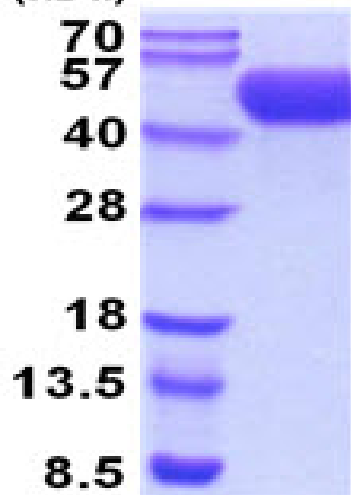
Bojesen KB., et al. (2012) J. Biol. Chem. 287(44):37420-37433.

Cheng HQ., et al. (2012) DNA Cell Biol. 31(7):1321-1327.

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)