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# Recombinant human Nectin-3 protein

Catalog Number: ATGP3716

#### PRODUCT INFORMATION

### **Expression system**

Baculovirus

#### **Domain**

58-404aa

#### UniProt No.

Q9NQS3

#### **NCBI Accession No.**

NP 056295

#### **Alternative Names**

Nectin-3 isoform 1, NECTIN3, CD113, CDW113, NECTIN-3, PPR3, PRR3, PVRL3, PVRR3

## PRODUCT SPECIFICATION

# **Molecular Weight**

39.1 kDa (355aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

#### **Purity**

> 90% 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**

#### **Description**

NECTIN3, also known as nectin-3 isoform 1, is a member of the nectin family. It is proposed to initiate cell-cell adhesion to promote cell attachment and to allow subsequent formation of JAM- and cadherin-based intercellular junctions. It has been shown to induce endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Subsequent Nectin-3 activity adds strength to the



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junction through trans-interaction with a variety of molecules. Recombinant human NECTIN3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

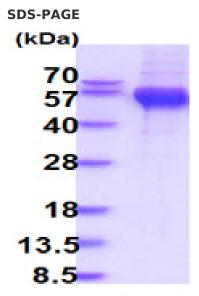
# **Amino acid Sequence**

GPIIVEPHVT AVWGKNVSLK CLIEVNETIT QISWEKIHGK SSQTVAVHHP QYGFSVQGEY QGRVLFKNYS LNDATITLHN IGFSDSGKYI CKAVTFPLGN AQSSTTVTVL VEPTVSLIKG PDSLIDGGNE TVAAICIAAT GKPVAHIDWE GDLGEMESTT TSFPNETATI ISQYKLFPTR FARGRRITCV VKHPALEKDI RYSFILDIQY APEVSVTGYD GNWFVGRKGV NLKCNADANP PPFKSVWSRL DGQWPDGLLA SDNTLHFVHP LTFNYSGVYI CKVTNSLGQR SDQKVIYISD PPTTTTLQPT IQWHPSTADI EDLATEPKKL PFPLSTLATI KDDTIATLEH HHHHH

#### **General References**

Rikitake, Y., et al. (2008) Cell. Mol. Life Sci. 65:253-263. Miyoshi, J., et al. (2007) Am. J. Nephrol. 27:590-604.

# **DATA**



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

15% SDS-PAGE (3ug)