

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 QYGFVQGEY QGRVLFKNYS LNDATITLHN
IGFSDSGKYI CKAFTFPLGN AQSSTTVTVL VEPTVSLIKG PDSLIDGGNE TVAAICIAAT GKPVAHIDWE GDLGEMESTT
TSFPNETATI ISQYKLPTR FARGRRITCV VKHPALEKDI RYSFILDIQY APEVSVTGYD GNWFVGRKGV NLKCNADANP
PPFKSVWSRL DGQWPDGLLA SDNTLHFVHP LTFNYSGVYI CKVTNSLGQR SDQKVIYISD PPTTTTLQPT IQWHPSTADI
EDLATEPKKL PFPLSTLATI KDDTIATLEH HHHHH

General References

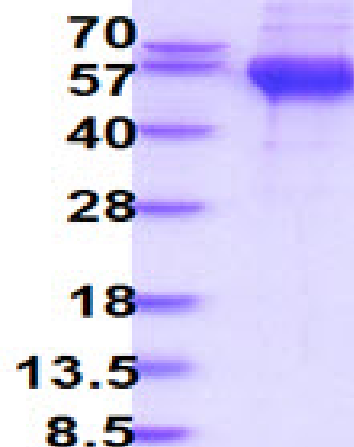
Rikitake, Y., et al. (2008) Cell. Mol. Life Sci. 65:253-263.

Miyoshi, J., et al. (2007) Am. J. Nephrol. 27:590-604.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)