

## Product datasheet for **RC233889**

### Nectin 3 (NECTIN3) (NM\_001243286) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin 3 (NECTIN3) (NM_001243286) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nectin 3
Synonyms:	CD113; CDW113; NECTIN-3; PPR3; PRR3; PVRL3; PVRR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233889 representing NM_001243286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGGACCCTGCGGCCGTCCCGCTGTGTCTGGAGGCGGCAAAGCACAACTTTCCTCCGCTTCTC  
TCCTCGGAGCCGGGCTCCTGCTGCAGCCCCGACGCCACCTCCGCTGCTGCTGCTCTTCCCGCTGCT  
GCTCTTCCAGGCTCTGTGGTGCCTTAGCTGGACCAATTATTGTGGAGCCACATGTCACAGCAGTATGG  
GGAAAGAATGTTTCATTAAGTGTTAATTGAAGTAAATGAAACCATAACACAGATTTTCATGGGAGAAGA  
TACATGGCAAAAGTTCACAGACTGTTGAGTTCACCATCCCAATATGGATTCTCTGTTCAAGGAGAATA  
TCAGGGAAGAGTCTGTTTAAAAATTACTCACTTAATGATGCAACAATACTCTGCATAACATAGGATTC  
TCTGATTCTGGAAAATACATCTGCAAAGCTGTTACATTCCCGCTTGAAAATGCCAGTCCCTACAAGT  
TAACTGTGTTAGTTGAACCCACTGTGAGCCTGATAAAAGGGCCAGATTCTTAAATTGATGGAGGAAATGA  
AACAGTAGCAGCCATTTGCATCGCAGCCACTGGAAAACCCGTTGCACATATTGACTGGGAAGGTGATCTT  
GGTGAATGGAATCCACTACAATCTTTTCCAATGAAACGGCAACGATTATCAGCCAGTACAAGCTAT  
TTCCAACCAGATTTGCTAGAGGAAGGCGAATTACTTGTGTGTAACATCCAGCCTTGGAAAAGGACAT  
CCGATACTCTTTCATATTAGACATACAGTATGCTCCTGAAGTTTCGGTAACAGGATATGATGAAATTGG  
TTTGTAGGAAGAAAAGGTGTTAATCTCAAATGTAATGCTGATGCAAATCCACCACCTTCAAATCTGTGT  
GGAGCAGTTGGATGGACAATGGCCTGATGGTTTATTGGCTTCAGACAATACTTTCATTTGTCCATCC  
ATTGACTTTCAATTATTCTGGTGTATATCTGTAAGTGACCAATTCCTTGGTCAAAGAAGTGACCAA  
AAAGTCATCTACATTTACGCTACAATTCAGTGGCATCCCTCAACTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC233889 representing NM\_001243286  
Red=Cloning site Green=Tags(s)

MARTLRPSPLCPGGGKAQLSSASLLGAGLLLQPPTPPLLLLLFPLLLSRLCGALAGPIIVEPHVTAVW  
 GKNVSLKCLIEVNETITQISWEKIHGKSSQTVAVHHPQYGFVSVQGEYQGRVLFKNYSLNDATITLHNIGF  
 SDSGKYICKAVTFPLGNAQSSTTVTVLVEPTVSLIKGPDSLIDGGNETVAAICIAATGKPVAHIDWEGDL  
 GEMESTTTSFPNETATIIISQYKLFPTRFARGRRITCVVKHPALEKDIRYSFILDIQYAPEVSVTGYDGNW  
 FVGRKGVNLKCNADANPPPFKSVWSRLDGQWPDGLLASDNTLHFVHPLTFNYSGVYICKVTNSLQGRSDQ  
 KVIYISAYNSVASLNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001243286

**ORF Size:** 1098 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001243286.2](#)

**RefSeq Size:** 5239 bp

**RefSeq ORF:** 1101 bp

**Locus ID:** 25945

**UniProt ID:** [Q9NQS3](#)

**Cytogenetics:** 3q13.13

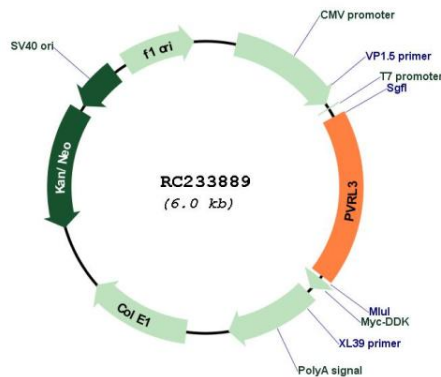
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Adherens junction, Cell adhesion molecules (CAMs)

**MW:** 40.1 kDa

**Gene Summary:** This gene encodes a member of the nectin family of proteins, which function as adhesion molecules at adherens junctions. This family member interacts with other nectin-like proteins and with afadin, a filamentous actin-binding protein involved in the regulation of directional motility, cell proliferation and survival. This gene plays a role in ocular development involving the ciliary body. Mutations in this gene are believed to result in congenital ocular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

### Product images:



Circular map for RC233889