

Product datasheet for **RG233889**

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:	TurboGFP
Symbol:	Nectin 3
Synonyms:	CD113; CDW113; NECTIN-3; PPR3; PRR3; PVRL3; PVRR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233889 representing NM_001243286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGACCCTGCGGCCGTCGCCGCTGCCGCTGTGTCTGGAGGCGGCAAAGCACAACTTTCCTCCGCTTCTC
TCCTCGGAGCCGGGCTCCTGCTGCAGCCCCGACGCCACCTCCGCTGCTGCTGCTCTTCCCGCTGCT
GCTTTCTCCAGGCTCTGTGGTGCCTTAGCTGGACCAATTATTGTGGAGCCACATGTCACAGCAGTATGG
GGAAAGAATGTTTCATTAAGTGTTTAATTGAAGTAAATGAAACCATAACACAGATTTTCATGGGAGAAGA
TACATGGCAAAAGTTCACAGACTGTTGAGTTCACCATCCCAATATGGATTCTCTGTTCAAGGAGAATA
TCAGGGAAGAGTCTTGTAAAAAATACTCACTTAATGATGCAACAATACTCTGCATAACATAGGATTC
TCTGATTCTGGAAAATACATCTGCAAAAGCTGTTACATTCCCGCTTGAAAATGCCAGTCCCTACAAGT
TAACTGTGTTAGTTGAACCCACTGTGAGCCTGATAAAAGGGCCAGATTCTTAAATTGATGGAGGAAATGA
AACAGTAGCAGCCATTTGCATCGCAGCCACTGGAAAACCCGTTGCACATATTGACTGGGAAGGTGATCTT
GGTGAAATGGAATCCACTACAATTTCTTTCCAAATGAAACGGCAACGATTATCAGCCAGTACAAGCTAT
TTCCAACCAGATTTGCTAGAGGAAGGCGAATTACTTGTGTGTAACATCCAGCCTTGGAAAAGGACAT
CCGATACTCTTTCATATTAGACATACAGTATGCTCCTGAAGTTTCGGTAACAGGATATGATGAAATTGG
TTTGTAGGAAGAAAAGGTGTTAATCTCAAATGTAATGCTGATGCAAATCCACCACCTTCAAATCTGTGT
GGAGCAGTTGGATGGACAATGGCCTGATGGTTTATTGGCTTCAGACAATACTTTCATTTGTCCATCC
ATTGACTTTCAATTATTCTGGTGTATATCTGTAAGTGACCAATTCCTTGGTCAAAGAAGTGACCAA
AAAGTCATCTACATTTACGCTACAATTCAGTGGCATCCCTCAACTGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233889 representing NM_001243286
Red=Cloning site Green=Tags(s)

MARTLRPSPLCPGGGKAQLSSASLLGAGLLLQPPTPPLLLLLFPLLLSRLCGALAGPIIVEPHVTAVW
 GKNVSLKCLIEVNETITQISWEKIHGKSSQTVAVHHPQYGFVSVQGEYQGRVLFKNYSLNDATITLHNIGF
 SDSGKYICKAVTFPLGNAQSSTTVTVLVEPTVSLIKGPDSLIDGGNETVAAICIAATGKPVAHIDWEGDL
 GEMESTTTSFPNETATIIISQYKLFPTRFARGRRITCVVKHPALEKDIRYSFILDIQYAPEVSVTGYDGNW
 FVGRKGVNLKCNADANPPPFKSVWSRLDGQWPDGLLASDNTLHFVHPLTFNYSVGYICKVTNSLGQRSDQ
 KVIYISAYNSVASLNC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

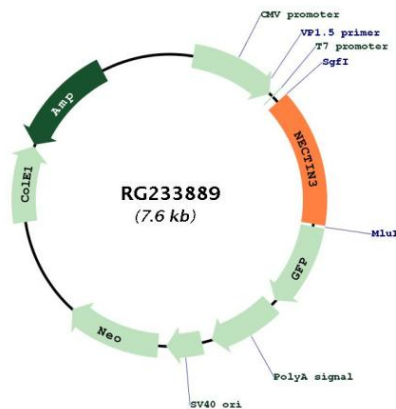
Cytogenetics: 3q13.13

Protein Families: Druggable Genome, Transmembrane

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

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 RG233889