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Product datasheet for SC114651

Nectin 3 (NECTIN3) (NM_015480) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin 3 (NECTIN3) (NM_015480) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nectin 3
Synonyms:	CD113; CDW113; NECTIN-3; PPR3; PRR3; PVRL3; PVRR3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_015480 edited
GAATTCGGCACGAGGCGGACCTTCCACAGCCTCCGCCCAGAGCCTGAGGCGCCGGGGCCG
GGGGAGCCGGGGGGCGGGCGGGCGAGCGGGCCGGGGGGAGGGTGGGGGATGGCGCGGACC
CTGCGGCCGTCCCCGCTGTGTCCTGGAGGCGGCAAAGCACAACTTTCCTCCGCTTCTCTC
CTCGGAGCCGGGCTCCTGCTGCAGCCCCCGACGCCACCTCCGCTGCTGCTGCTGCTCTTC
CCGCTGCTGCTCTTCTCCAGGCTCTGTGGTGCCTTAGCTGGACCAATTATTGTGGAGCCA
CATGTCACAGCAGTATGGGGAAAGAATGTTTCATTAAAGTGTTTAATTGAAGTAAATGAA
ACCATAACACAGATTTCATGGGAGAAGATACATGGCAAAAGTTCACAGACTGTTGCAGTT
CACCATCCCCAATATGGATTCTCTGTTCAAGGAGAATATCAGGGAAGAGTCTTGTTTAAA
AATTACTCACTTAATGATGCAACAATTACTCTGCATAACATAGGATTCTCTGATTCTGGA
AAATACATCTGCAAAGCTGTTACATTCCCGCTTGGAAATGCCCAGTCCTCTACAACTGTA
ACTGTGTTAGTTGAACCCACTGTGAGCCTGATAAAAGGGCCAGATTCTTTAATTGATGGA
GGAAATGAAACAGTAGCAGCCATTTGCATCGCAGCCACTGGAAAACCCGTTGCACATATT
GACTGGGAAGGTGATCTTGGTGAAATGGAATCCACTACAACTTCTTTTCCAAATGAAACG
GCAACGATTATCAGCCAGTACAAGCTATTTCCAACCAGATTTGCTAGAGGAAGGCGAATT
ACTTGTGTTGTAAAACATCCAGCCTTGGAAAAGGACATCCGATACTCTTTCATATTAGAC
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CCACCATCAGATATGCAAAAAGAATCACAAATAGATGTTCTTCAACAAGATGAGCTTGAT
TCTTACCCAGACAGTGTAAAAAAAGAAAACAAAAATCCAGTGAACAATCTAATACGTAAA

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GACTATTTAGAAGAGCCTGAAAAAACTCAGTGGAACAATGTAGAAAATCTCAATAGGTTT
GAAAGACCAATGGATTATTATGAAGATCTAAAAATGGGAATGAAGTTTGTCAGTGATGAA
CATTATGATGAAAACGAAGATGACTTAGTTTCACATGTAGATGGTTCCGTAATTTCCAGG
AGGGAGTGGTATGTTTAGCAACCACTGAATGTGACTTAACTATGTACAATGTTCATTCAC
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ACCATCTTGTTTTAGTTATTTAATGTTGATGTTGTTCAAATGGGTAAATGTACAGAAAGA
AAATTTTAGAGTAAACTTGGAACTTTGGATATAACTAGAAAAAACTAGATTATAGAATTA
GTCGGTAACACTTGCTAATGGACATTGGCATTCATCTCCTTTTTCCTCCTAAGTGTATGT
ATGTGTTTTAAGATTTCTGTTTTTACGATTAAAACTGGAAACATGAGGTTTTTTGTTTTT
GTTTTTTTACATAATTACATATATTCCTTCTGAATCATTTATCTTTTGAGAAAGAAATGT
TACCTAAACTTCAAATGTGCTTTTTGTTTGTGAGGTAATTAAATTGCTTCTACAGTGGAA
AAAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015480 unedited
GTGCACAATTTTGTAATACGACTTCACTATAGGGCGGCCGCGATTCGGCACGAGGCGGAC
CTTCCACAGCCTCCGCCCAGAGCCTGAGGCGCCGGGGCCGGGGGAGCCGGGGGGCGGGCG
GGCGAGCGGGCCGGGGGGAGGGTGGGGGATGGCGCGGACCCTGCGGCCGTCCCCGCTGTG
TCCTGGAGGCGGCAAAGCACAACTTTCCTCCGCTTCTCTCCTCGGAGCCGGGCTCCTGCT
GCAGCCCCCGACGCCACCTCCGCTGCTGCTGCTGCTCTTCCCGCTGCTGCTCTTCTCCAG
GCTCTGTGGTGCCTTAGCTGGACCAATTATTGTGGAGCCACATGTCACAGCAGTATGGGG
AAAGAATGTTTCATTAAAGTGTTTAATTGAAGTAAATGAAACCATAACACAGATTTCATG
GGAGAAGATACATGGCAAAAGTTCACAGACTGTTGCAGTTCACCATCCCCAATATGGATT
CTCTGTTCAAGGAGAATATCAGGGAAGAGTCTTGTTTAAAAATTACTCACTTAATGATGC
AACAATTACTCTGCATAACATAGGATTCTCTGATTCTGGAAAATACATCTGCAAAGCTGT
TACATTCCCGCTTGGAAATGCCCAGTCCTCTACAACTGTAACTGTGTTAGTTGAACCCAC
TGTGAGCCTGATAAAAGGGCCAGATTCTTTAATTGATGGAGGAAATGAAACAGTAGCAGC
CATTTGCATCGCAGCCACTGGAAAACCCGTTGCACATATTGACTGGGAAGGTGATCTTGC
TGAAATGGAATCCATACAACTTCTTTTCCAATGACCGGCAACGATTATCAGCCGTCCAGC
TATTTCCACCGATTGCTAGAGCAGGCGAATACTTGTGTTGAAACATTCCACCTTGTAAAG
ACTCCGTACTTTTTATATAGACT

Restriction Sites: NotI-NotI

ACCN: NM_015480

Insert Size: 3340 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_015480.1, NP_056295.1
RefSeq Size:	1650 bp
RefSeq ORF:	1650 bp
Locus ID:	25945
UniProt ID:	Q9NQS3
Cytogenetics:	3q13.13
Domains:	ig, IG
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.