

## Product datasheet for **SC106234**

### Nectin 3 (NECTIN3) (BC017572) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Nectin 3 (NECTIN3) (BC017572) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | Nectin 3   |
| Synonyms:                 | CD113; CDw113; DKFZp566B0846; FLJ90624; nectin-3; nectin 3; poliovirus receptor-related 3; PPR3; PRR3; PVRR3 |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u><a href="#">pCMV6-XL4</a></u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |



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**Fully Sequenced ORF:**

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>OriGene sequence for BC017572 edited
GAATTCGGCACCAGAGTACTTGTAAAGTGTGGCTGGAATATTCTGCTATAGGAGAAGA
CGGACGTTTCGTGGAGACTACTTTGCCAAGAACTACATCCACCATCAGATATGCAAAA
GAATCACAAATAGATGTTCTTCAACAAGATGAGCTTGATTCTTACCCAGACAGTGTAAA
AAAGAAAAACAAAATCCAGTGAACAATCTAATACGTAAAGACTATTTAGAAGAGCCTGAA
AAAACCTCAGTGGAAACAATGTAGAAAACTCAATAGGTTTGAAGACCAATGGATTATTAT
GAAGATCTAAAAATGGGAATGAAGTTTGTCAAGTATGAACATTATGATGAAAACGAAGAT
GACTTAGTTTTACATGTAGATGGTTCCGTAATTTCCAGGAGGGAGTGGTATGTTTAGCAA
CCTACTGAATGTGACTTAACTATGTACAATGTTTCACTTACACTAGTTGATCATTTCAGAT
TGTTTACTTTTTCTTGAGGAAGAATAAGCTTTTTCAAGTTGATTTTCAAGCTTACTTT
TTATATTCTAATCTGACAAATGAAAATGTAAAATCTGAGTTTCAAGTATCTAAGCTGCTT
TACAATTTTTTTTCAATGCTGTACTACTGTCTCAAGATTTAAATTTTAAATGCAGAGTACT
TTATTGGTGTGAGGCACACAGGTAAGAAGAAATGTCAACATTAATGTATGACTTACTTG
GTACAAAAATTTTTTAAAAAGGGAACCTTGTGACTTGTGATTAATGTTTACCTAAG
ACTATAATCTCAAGTATGATGTTTGTAAACATATACCTCTCAAAATTTATCACCCTCA
ATGACACTGCATCAAAATGACTATAAACTAATCAAGAAATATTTATATATATTTTTT
AATATACAAAAATATTTAGCCTGATGGAATGGCTTTCCTTTTCAACATTATTTTCTAA
GTTTCTATACAAATGAAATCTTTACCTCTGCATATTAATGAGCCTTGCCATAATTAAGT
AGAGTGGCTTTTCAAAGATATTTTGTGCACTAAAACCTGGTAGTAACTCAGTGAACA
TGATGTGTGGAAGAGCATAATTAGCTGGTCAATATTTTGTCCAAAATACCTGCAAGAGT
AATAAAATACATACCTTTCAAACATGATAATTATAGTTTTTTTTTTTCTTTCTGGAAC
ATGGATTTTGGTACATTAGCAGTAGCCTTATTTTAAATGCTTTATGCTTAAACATACTAA
TAGAAATGAAAAGACGCAGAGAGAGCATTTCGGAATACTGAAGTACTAGTTTTAGAAATG
AGACTTTCAGCCAACAATCTATAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXACCAGCCT
TTCTCAATATTCATAAATCTAAAAACATTTAGGGGGCAAAATCTAACATGTTTATGGA
TCTTGCAAAATAGTAAAAGCTTTATTCTGAAGGATTATAAACTAGTTTTCTTCAATTTAAC
TAGCACTATTTTGTGAAATTAGAAACCTCTTTATTTCTTCCCAAAAGTAATACTTA
TTATAAGGCTGTAGTATCAGGTTAAGGATACAGATAAATAAAGTTCACTTATATCTTCTT
ACAAATGTCTGGGTTTTAATATGGTTAATCACTTATATACAAATATTACAACTTTTTAGT
GCAAGTTTTTGAAGAAAACCTTTTGTAAAACACTGTGATTGATGTGACTTTATTTTTTA
ATTTAAACGATGAGGTGGCCAGAAGAAAGATGGGTCTAAAATTTCTCCCATGAAAGATG
TAAAACATGAGCTTTTTTAAAAATCAAAATTTTATCTTTTAAAAATGATGTTTGAATAC
TGTATGGATCTGAACAGAATAATCACATTTAGGATTCTATATAAATCTCAACTGGAGTAT
AATCTGAAGGAAATAGCAGTGTATTTTAAAGAAATATATTTCAAAAATATAAATACTGAT
TATGAACCTTCTTTTACATTTGTGGTTATTTGTGCGATTAGGTTTTTTGTTTGTCTTT
TGTGTTTGTGGCGGGAGAGGGTGACCTGAAAGCCACAAGTGAAGTATTTGACATATTC
TGTATCCTTAATCCAATCATTTGGCAAACATAAAGGTTTCTGTGTTGAAGAATCTGATA
CTAGTGCCTAAGACTTTGGGAAGCATTGCACTGTTGTTTATTAGAACCTTATGATATTT
ACTGTACATAGAGACTTGTGAAAACATGAATAGTCATTAATAAAGACATTGTTAAAT
TAAAAAAAAAAAAAAAAAACTCGAC
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|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for BC017572 unedited<br>NNGGAGTTAGGATTTGTAACGACTCCTATAGGGCGGCCGCAATTCGCACCAGNATACT<br>TGTAAGTGTGTTGGCTGGAATATTCTGCTATAGGAGAAGACGGACGTTTCGTGGAGACTA<br>CTTTGCCAAGAATACTACATTCCACCATCAGATATGCAAAAAGAATCACAAATAGATGTTCT<br>TCAACAAGATGAGCTTGATTCTTACCCAGACAGTGTAAGAAAAAGAAAAACAAAATCCAGT<br>GAACAATCTAATACGTAAGACTATTTAGAAGAGCCTGAAAAAACTCAGTGAACAATGT<br>AGAAAACTCAATAGGTTTGAAAGACCAATGGATTATTATGAAGATCTAAAAATGGGAAT<br>GAAGTTTGTGTCAGTGATGAACATTATGATGAAAACGAAGATGACTTAGTTTCACATGTAGA<br>TGGTCCGTAATTTCCAGGAGGGAGTGGTATGTTTAGCAACCACTGAATGTGACTTAACT<br>ATGTACAATGTTTCATTCCACTAGTTGATCATTTCAGATTGTTTCATACTTTTTCTTGAG<br>GAAGAATAAGCTTTTTCAAGTTGATTTTCAAGCTTACTTTTTATTTCTAATCTGACAAA<br>TGAATAATGTAATACTGAGTTCAGTGTATCTAAGCTGCTTTACAATTTTTTTTCAATGCT<br>GTACTACTGTCTCAAGATTTAAATTTTAAATGCAGAGTACTTTATTGGGTGTGAGGCACAC<br>AGGTNAGAAGAAATGTCAACATTAATGTATGACTTACTTGGTACAAAAATTTTTAAAA<br>AGGGAACCTTACATTGTGTATTAATGTTTACCTNNAGACTATATCTCAAGTATGA<br>TGGTTTGTTTAACATATACCTCTCAAAAATTATCACCACCTCATGACACTGCATCANAAT<br>TGACTATTAACATA |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | BC017572   |
| <b>Insert Size:</b>                 | 2750 bp  |
| <b>OTI Disclaimer:</b>              | 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).   |
| <b>Components:</b>                  | 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).   |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                      | <a href="#">BC017572.1</a> , <a href="#">AAH17572.1</a>  |
| <b>RefSeq Size:</b>                 | 1276 bp  |
| <b>RefSeq ORF:</b>                  | 306 bp   |
| <b>Locus ID:</b>                    | 25945  |
| <b>Cytogenetics:</b>                | 3q13.13  |
| <b>Protein Families:</b>            | Druggable Genome, Transmembrane  |
| <b>Protein Pathways:</b>            | 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]