

Product datasheet for **SC120005**

NDP (NM_000266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDP (NM_000266) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDP
Synonyms:	EVR2; FEVR; ND
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120005 sequence for NM_000266 edited (data generated by NextGen Sequencing) ATGAGAAAACATGTACTAGCTGCATCCTTTTCTATGCTCTCCCTGCTGGTGATAATGGGA GATACAGACAGTAAAACGGACAGCTCATTATAATGGACTCGGACCCTCGACGCTGCATG AGGCACCACTATGTGGATTCTATCAGTCACCCATTGTACAAGTGTAGCTCAAAGATGGTG CTCCTGGCCAGGTGCGAGGGGCACTGCAGCCAGGCGTCACGCTCCGAGCCTTTGGTGTCG TTCAGCACTGTCCTCAAGCAACCCTTCCGTTCTCCTGTCACTGCTGCCGGCCCCAGACT TCCAAGCTGAAGGCACTGCGGCTGCGATGCTCAGGGGGCATGCGACTCACTGCCACCTAC CGGTACATCCTCTCCTGTCACTGCGAGGAATGCAATTCCTGA Clone variation with respect to NM_000266.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000266 unedited
 TCAGAATTTTGTAAACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCTTAAAC
 AACAGTCTAACTTTTGTGTGTTGCAAATATAAAAGGCAAGCCATGTGACAGAGGGACAG
 AAGAACAAAAGCATTGGGAAGTAACAGGACCTCTTTCTAGCTCTCAGAAAAGTCTGAGAA
 GAAAGGAGCCCTGCGTCCCTAAGCTGTGACGAGATACTGTGATGATGGATTGCAAGT
 GCAAAGAGTAAGACAAAACCTCCAGCACATAAAGGACAATGACAACCAGAAAAGCTCAGCC
 CGATCCTGCCCTTCTTGAACGGGACTGGATCCTAGGAGGTGAAGCCATTTCCAATTTT
 TTGTCCTCTGCCTCCCTCTGCTGTTCTTCTAGAGAAGTTTTTCTTACAACAATGAGAAA
 ACATGACTAGCTGCATCCTTTTCTATGCTCTCCCTGCTGGTGAATGGGAGATACAGA
 CAGTAAAACGGACAGCTATTATAATGGACTCGGACCCTCGACGCTGCATGAGGCACCA
 CTATGTGGATTCTATCAGTCACCCATTGTACAAGTGTAGCTCAAAGATGGTGTCTCTGGC
 CAGGTGCGAGGGGCACTGCAGCCAGGCGTCACGCTCCGAGCCTTTGGTGTGTTCCAGCAC
 TGTCTCAAGCAACCCTCCGTTCTCCTGTACTGCTGCCGGCCCCAGACTCCNAGCT
 GAAGGCACTGCGGCTGCGATGCTCANGGGCATGCGACTACTGCCACCTACCGGTACAT
 CCTCTCCTGTACTGCGAGGAATGCATTTCTGAGCCCGCTGCTGTGTGGCTTCTGGA
 TGGGACAAGTGTAGAGGCAGTCCGACCAGCCAGGAAAAGACTGGGCAGAAAAGAGTTAGGG
 CANAAAGGATGCACATTCTNCCGGGACTTGCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000266 unedited
 TGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGAATTACTCTTTT
 TATTTCAAACGTGGGAATAACTCAAAATTTGAGCCTCCAGGACCAAAACACATTTGAAC
 CAAACGTTCAGAAGACAAGCCAGGCCACCATTTTGGCAACATGTTTCACATGGACAAGTG
 GATATTAGAGAATGATGCCCGTGACACGGCTAAAGCTATAGCACCCACAAATAGATTC
 ATACTTGGTTGTCTAATTTGCATGCATGAGTATGGTGCATTCTCCATGCCACTAGTACAT
 ATATGCCTTTTCCAGAGTCAGTGCAGGATCCGTATTTGTGCAAGTCTTTAAAAGTCTGCT
 CCCTTACAAAATTTACCATAATTTATCTGAGACAGCCTTCTGTGACAAATTTCTTATG
 CTGCTTTTACTTTCAAAAAGTCATTTCTGAATAATAATTATAGCTGTCAAGAGTCCAGC
 ATCACATAAAAAGAAATCTGTTTGTAGTTATTTAATGTCAGTTCGCTGGCTGTGAGTAA
 CGTAGCTAAACATATCCACATGCTTGGTATCTGGACTTTGAAATCGGTAACCTTTAGCAG
 CAATGGCAACCTTAGACCAAAATGACAAGGTAACAAAAAATCAACAATAACAGAAGAT
 GTCCCAGGAAAAGCTGGGCTTTTCTACTTTCAAAGTAAATTTCTCCCCAGCGTGCACCA
 AACACTGACAGCCTGACACGCTTGTGTATGAGGGCCACTNTTCCCACTAATGCTGAAT
 TGNTGAAAACCCAAACAGCATTGAGAGCCAAGNGGAAATGCCTNGATCTGAAATGAACC
 AAAGAAATGTACCANAGAAAGGAGAGGAACTGCAAAGAAGTTCCAGATATCTCTCTCTG
 TCACAGCATGTANAGTCTTATTAN

Restriction Sites:

ECoRI-NOT

ACCN:

NM_000266

Insert Size:

1940 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_000266.1](#), [NP_000257.1](#)

RefSeq Size: 1846 bp

RefSeq ORF: 402 bp

Locus ID: 4693

UniProt ID: [Q00604](#)

Cytogenetics: Xp11.3

Domains: CT, Cys_knot

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a secreted protein with a cystein-knot motif that activates the Wnt/beta-catenin pathway. The protein forms disulfide-linked oligomers in the extracellular matrix. Mutations in this gene result in Norrie disease and X-linked exudative vitreoretinopathy. [provided by RefSeq, Feb 2009]