

Product datasheet for **RC228091**

NXNL2 (NM_001161625) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NXNL2 (NM_001161625) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NXNL2
Synonyms: C9orf121; RDCVF2; RdCVF2L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228091 representing NM_001161625
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGTTGACATTCTGGGCGAGCGGCACCTGGTGACCTGTAAGGGCGCGACGGTGGAGGCCGAGGCGGCGC
TGCAGAACAAAGGTGGTGCACTGTACTTCGCGCGGCCCGGTGCGCGCCGAGCCGCGACTTCACGCCGCT
GCTCTGCGACTTCTATACGGCGCTGGTGCCGAGGCGCGGCCCGCGCCCTTCGAAGTGGTCTTCGTG
TCAGCCGACGGCAGCTCCCAGGAGATGCTGGACTTCATGCGCGAGCTGCATGGCGCCTGGCTGGCGCTGC
CCTTCCACGACCCCTACCGGCATGAGCTGAGGAAGAGGTACAACGTACAGCCATCCCCAAGCTTGTGAT
TGTGAAACAAAATGGGGAGGTATCACCAACAAAGGGCGGAAGCAGATCCGGGAACGGGGTTGGCCTGC
TTCCAGGACTGGGTGGAGGCGGCCGATATCTTCCAGAATTTCTCCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228091 representing NM_001161625
Red=Cloning site Green=Tags(s)

MVDILGERHLVTCKGATVEAAALQNKVVALYFAAARCAPSRDFTPLLCDFYTALVAEARRPAPFEVVFV
 SADGSSQEMLDFMRELHGAWLALPFHDPYRHELRKRYNVTAI PKLVIVKQNGEITNKGKQIRERGLAC
 FQDWVEAADIFQNFSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001161625

ORF Size: 468 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_001161625.1](#), [NP_001155097.1](#)

RefSeq ORF: 471 bp

Locus ID: 158046

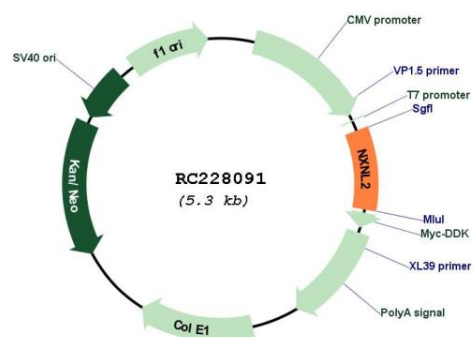
UniProt ID: [Q5VZ03](#)

Cytogenetics: 9q22.1

MW: 17.4 kDa

Gene Summary: May be involved in the maintenance of both the function and the viability of sensory neurons, including photoreceptors and olfactory neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228091