

Product datasheet for **RR200166**

Nexn (NM_139230) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nexn (NM_139230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nexn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200166 representing NM_139230
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATATGACGTGTACAGAAGGCAGAGATTCTGCTTTCTTCATCTAAACCTGTCCCAAATCCTATGTGC
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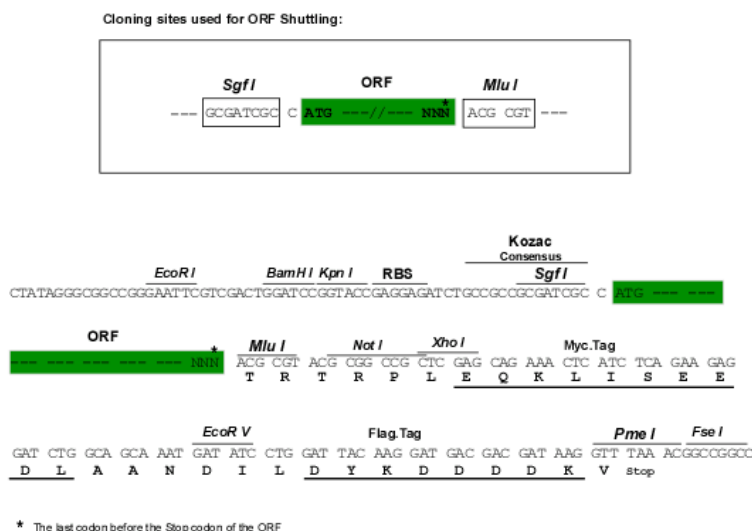
Protein Sequence: >RR200166 representing NM_139230
Red=Cloning site Green=Tags(s)

MNDVSQKAEILLSSKPVPSYVPLKLGKDVKDKFEAMQRAAREERNQRRSRDEKQRRKEQYIREREWNR
KQEKIDMLASDEEEPSKVEKAYVPLKTGTVGKGFDEMEKHRQEEQQRKRTTEERKRRIEQDLLKRRMQR
ELAKRAEQEGDSSLITVYPAKSYRAAANKDPEDLDREHRNGRVSQEEKTRHEECRALKEAKCLSLV
MDDTEAKKESRFPGLKSTFEELERQQRNKKQAEAAARRRLEEERRAFEEARRNMVNEEDSQDTET
VFKEYRPGKLRLSFEEIERQRREEEKRKAAEEARRRMEEEKKAFAEARRSMVLDDDSPEIYKAVSQESLT
PGKLEINFEQLLRQKMEERRRTEERRQKLEMEKQEFQRLRQEMGKEEEEENESFGLSREYEELIKLRS
GSIQAKNLKSKFEKIGQLSEKEVQKKIEERAKRAIDLEIKERAENFHEDDDVDVKPAKKSSEPFTHK
VNMKARFEQMAKARQEEQRRIEEQKLLRMQFEQKEIDAALQKKREDDDEEEGSIVNGSTTEDEEQTRSG
APWFKKPLRNTSVVDSEPVRFYKVTGEPKPEVTWWFEGELLQDGEDYQYIERGETYCLYLPETFPEDGG
EYMKAVNSKGSAASTCIITIMDDY

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 139230

ORF Size: 1968 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_139230.1](#), [NP_631976.1](#)

RefSeq Size: 1971 bp

RefSeq ORF: 1971 bp

Locus ID: 246172

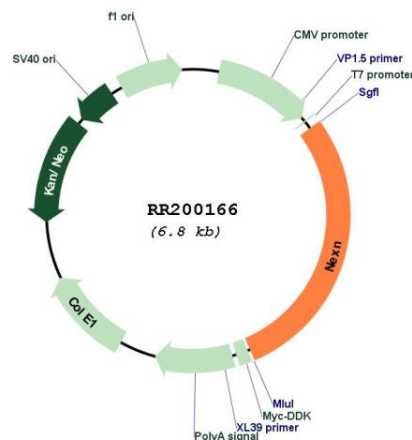
UniProt ID: [Q9Z2J4](#)

Cytogenetics: 2q45

MW: 78.4 kDa

Gene Summary: binds actin filaments, b-nexillin isoform also has actin filament cross-linking activity; may play a role in cell- matrix adherens junctions [RGD, Feb 2006]

Product images:



Circular map for RR200166