

Product datasheet for **MG206097**

Nxn (BC004688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nxn (BC004688) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nxn
Synonyms:	I11Jus13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206097 representing BC004688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCGGGCTTCCTGGAGGAGCTGCTGGGAGACAAGCTGGTGACGGGCGGTGGCGAGGAGGTGGACGTGC
ACTCGTGGGCGCCCGCGGCATCGCGTCTGCTGGGGCTCTACTTCGGGTGCAGCCTGAGCGCCCCCTGCGC
GCAGCTCAGCGCCAGCCTGGCCGCTTCTACGGTCGCTGCGAGGGGACGCGCGCCGGCCGGGGGCC
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ACCAAGACCAGCGCAGTGGCAGGACTTCGTGCGGGACATGCCATGGCTGGCGCTGCCCTACAAGGAGAA
GCACCGGAAGCTTAACTTTGGAACAAATACCGAGTCTCCAACATTCCATCGCTAATATTCCTAGACGCC
ACCACAGGGAAGGTTGTGTGCAGGAATGGGCTCCTGGTGATCCGAGATGACCCGGAAGGTCTGGAATTCC
CTTGGGGACCTAAACCTTCCGGAAGTTATTGCGGGGCCCTTGCTTAGAAATAACGGGCAGTCGCTGGA
GAGCAGCAGCCTGGAGGGGTCTCACGTGGGAGTCTATTCTCTGCACACTGGTGTCCACCCTGCCGAAGC
CTTACCAGAGTGCTGGTGAATCCTACCGAAGATCAAGGAGGCAGGCCAGGAGTTTGAGATCATCTTCG
TTAGTGCAGACAGGTGAGGAGTCTTTCAAACAGTACTTTAGTGAGATGCCATGGCTCGCTGTCCCTA
CACTGATGAGGCCCGCGGTCTCGTCTCAACCGACTGTATGGAATCCAAGGCATCCCCACGCTCATCGTG
CTGGACCCGCGAGGGGAAGTGATCACTCGGCAGGGTCGGGTGGAGGTGCTCAATGACGAGGACTGCAGGG
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CTGCCTCGTCCTTTTGTAGACTCTGAGGACGATGGAGAGTCCGAGGCAGCCAAACAGCTGATCCAGCCA
ATAGCTGAGAAGATCATTGCAAGTACAAAGCCTCTGCTCACCATTCTGGACATGTGAGCCGGGCCAAG
TACGTGATGGATGTAGAAGAGATCACCCAGCCATTGTGGAGACTTTGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206097 representing BC004688
 Red=Cloning site Green=Tags(s)

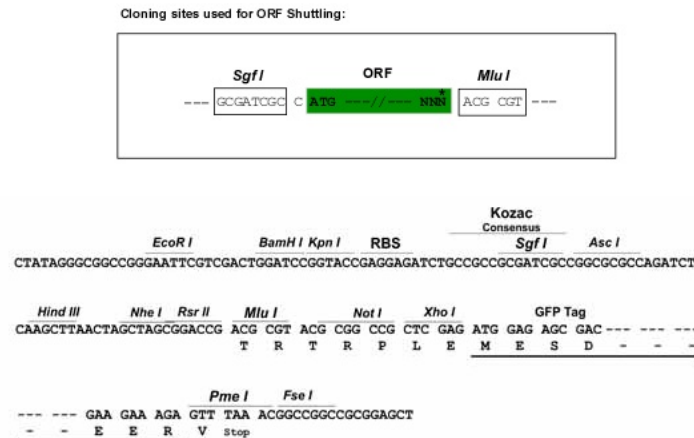
MSGFLEELLGDKLVTGGGEEVDVHSLGARGIALGLYFGCSLSAPCAQLSASLAIFYGRLRGDAAAGPGA
 GAGAGAAAEPEPRHLEIVFVSSDQDQRQWQDFVRDMPWLALPYKEKHKRLKLWNKYRVSNIPSLIFLDA
 TTGKVVCRNGLLVIRDDPEGLEFPWGPKEFREVIAGPLLRNNGQSLESSSLEGSHVGVYFSAHWCPPCR
 LTRVLVESYRKIKEAGQEFEIIFVSADRSEESFKQYFSEMPWLAVPYTDEARRSRLNRLYGIQGIPTLIV
 LDPQGEVITRQGRVEVLNDEDCREFPWHPKPVLELSDSNVQLNEGPCLVLFVDEDDGESEAAKQLIQP
 IAEKIIAKYKASAHSHGVSHPGQVRDGCRRDHPSHCGDFCE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC004688

ORF Size: 1173 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC004688.1](#)

RefSeq Size: 1876 bp

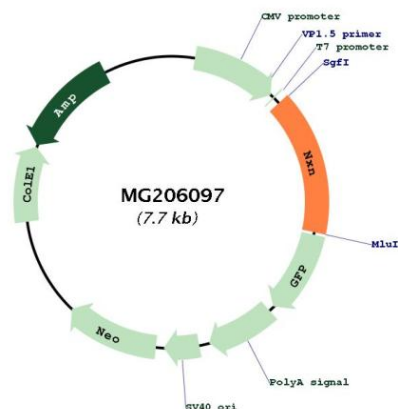
RefSeq ORF: 1175 bp

Locus ID: 18230

Cytogenetics: 11 45.92 cM

Gene Summary: Functions as a redox-dependent negative regulator of the Wnt signaling pathway, possibly by preventing ubiquitination of DVL3 by the BCR(KLHL12) complex. May also function as a transcriptional regulator act as a regulator of protein phosphatase 2A (PP2A). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206097