

Product datasheet for **SC102124**

NXN (AK096168) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NXN (AK096168) Human Untagged Clone
Tag:	Tag Free
Symbol:	NXN
Synonyms:	FKSG27; IRGQ1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AK096168, the custom clone sequence may differ by one or more nucleotides

```
CATATTAGTGTCTAAGCCCTGCAATCAGGCATGTCAGCCACGTGATGGAATGGGAGGGCTGCAGGGCAGC
ACTGTCCAGTAGAAACGAAATGCAAGCCACATATGTCATTTTAAGTTTTCTTTTTTGTAGATGGAGTTTC
ACTCTATACCCAGGCTGGAGTGCAGTGGCAGCATCTCGCCTCACTGCAACCTCCGCTCCAGGTTTCAT
GTGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGCATATGCCACCATGCCTGGCTAATTTT
TGTATTTTGTAGAGATGGGGTTTCACCATGTTGATCAGGCTGGTCTGGAACACTGACCTCAGGCCAC
CCGCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCGCCAGCTAATTTTTGTATTTT
ATTTTATTTATTTATTTATTTTGGGAGACGGAGTCTTGCTCTGTACCCAGGCTGGAGTGCAGTTGTG
CGATCTTGGCTCACTGCAACCTCAGCCTCCCAAGTAGCTGGGATTACAGGCATGCACCATCATGCCAGC
TAATTTTGTATTTTGTAGAGATGGGGTTTCACTGTGTTGGCCAGGCTGGTCTTGAACCTCTGACCTC
AGGTGATCCACCGCCTCAGCCTCCCAAAGTGCTGGGATTATAGGCGTGAGCCACTGCACCCGCTCAAT
TTTTGTATTTTGTAGAGATGGGGTTTACCATGTTGGCTAAGCTGGTCTGGAACCTCATGGCCTCAAGT
TATCTGCCACCTCAGCCTCCCAAAGTGCTGAGTAAGCCAAGTTTCTAATAGCCACATTAGACAAGTAA
AAGGAAACAGGTTAAATTCATTTTAACATGTTTACTTAACCCAATGTATCCAAAATAGCATTTCACAT
GTCATCGGTTTTTGTATTTTTTTTTTGTAGATAGTGCTTCGCTTGTGTCAGGCTGGAGTGCAGT
GGCACAATCTCGGCTCACTGCAACCTCCACCTCCAGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCGAG
TAGCTGGGATTACAGGCACCCGCCACCATGCCACTAATTTTGTATTTTGGTTAGAGATGGGGTTTTCG
CCATGTTGGCCAGGCTAGTCTCAAACTCCTGACCTCAGGTGATCCACCCACCTCGGCTCCCAAAGTGCT
AGGATTACAGGCGTGAGGCACCGTGCCTGGCGTCATCGGTATTATTTAAATGAATTATGTTACGTTCTTT
TGTGCTGTCTTCAAAATCTGTTATATATTTTACACTTACACCAAACTCAATTACCATGGTACATTTTAA
TCTGAAATGCTTGACCTTTATTTTGTATTTTATATAAAATTCATAGTTGGAGAAGTAGATTACATATCCAAG
TTGTTCCAATTATATAATAGTTTTTCAAAAACTGAGATGGGTGTCCATTTTTTTTTTAAAGTAAAGATGCA
GGTCTGGTTATGTTGACCAAGTTGCTGGGTTGTTTGTGTTTGTGTTGAGACAGAGTCTCACTTTGTCAAC
CAGGCTGGAGTGCAGTGGCATGACCTCAGCTCACTGCAACCTCTGCCTCCAGGTTCAACTGATTCTCTT
GCATCATCCTCCTGAGTAGCTGGGACTACAGGTGTATGCCACCATGCCTGGCTAATTTTGGTATTTTCT
CAGAGACGGGGTTTACCATGTTGGCATGCTGGTCTTGAACCTGCTGACCTCAGGTGATCCGCCACCTC
GGCCTCCCAAAGTGCTGGTATTACAGGCATGGGCCACACACCTGGCCTCAGCTGTTCAATTTAAAGTAA
ATACAACCTAAAATCTATGTTTCATTGGCAGTAGTGCAACATTAATACTGAGTAGCCACATGTGATTAG
TGGCTATGGTATTGGACAGGGAAGGTACAGAATACTTCCATCAACATAGAAAATCTATCAGTCTATCTC
TAGGGGCAGATAGTCCTTCCACTGACTTGGGCAAGTCACTCTACAAATGGCATCTACCTCACATGTTAT
GGTGAGAATTCAGCGTATGTATGTACATGCAGGCACACAATATGCACACAGACACATAACATAGTACACC
CTTCTCTGAAAAGCCTGACACATGGAGCTCAAACATGAGTGCCACCCACCCCTGGGCAGCACCAAGATGG
CTCTAGTCTGGGTGCCTTTGTCTACCCCCATGCCTTGTCTGGAGTGTGCTCCTCATTTTTCTGCCACT
TTGACCTGTCTCTGATTGGTCTGTCTGACATCACTGCTATATGCTTGTCTCTCTCAATTTCTCTCTG
CCCTCATGCCAGCAGGAGTCATGCCAGAGATCATATCTGAGAAAGCAAGACAATTTGTGTGTGTCTG
TGCCCATAGAGGAGTGCTGGTTGTGTTGATATAGTTGTAGATTGGTTGTGTTTACACAGTTGTATATATT
GACACCCTTGAGTGTATGACTTCTTTTGGGGTGGTGCCTTTTAAATCATAACTTTTAAATGGGATTCC
ATTTTAGTCTTTGTGAAGACATAAGGTTGTTGGCAGGCATCTGTCCCTGGGAGCATCCAAGCAGAAAAGA
CTAAGACTCCCTTGTAGACAGATCACTGGCCGCCACTGAAGTGTGTCTGCATGGCACCACAGGGCTGGAA
GACCTTGAAGGCAGGAATTCAGGAAATGTATGATGAATTTTGGCATTGCCATCAAAGCAGAACAGGC
ATGGAAAATTTGGGTGAGTGGGCGAGACAACCTCCTCACCACAGCAGAGTTCCATCCATGCCTGGATAAT
GATGGAGGGATTTGTGTCCACTGCAGTGGGGAACCATGAAGGACACATCAAGGGTGTGGTTGGCCTGTGG
TGCTCTTTGGAGGAATGAATAAAATGAATAGAAATCCT
```

5' Read Nucleotide Sequence:

>OriGene 5' read for AK096168 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAATATTCATCCATATC
 TTTACCCCATCATATTAGTGTCTAAGCCCTGCAATCAGGCATGTCAGCCACGTGATGGAA
 TGGGAGGGCTGCAGGGCAGCACTGTCCAGTAGAAACGAAATGCAAGCCACATATGTCATT
 TTAAGTTTTCTTTTTTGAGATGGAGTTTCACTCCATCACCCAGGCTGGAGTGCAGTGGC
 ACGATCTCGCCTCACTGCAACCTCCGCCTCCCAGGTTTCATGTATTCTCCTGCCTCAGCC
 TCCTGAGTAGCTGGGATTACAGGCATATGCCACCATGCCTGGCTAATTTTTGTATTTTA
 GTAGAGATGGGGTTTCACCATGTTGATCAGGCTGGTCTGGAACCTACTGACCTCAGGCCAC
 CCGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCGCCAGCTAATTT
 TTGTATTTTTATTTATTTATTTATTTATTTTGGGAGACGGAGTCTTGCTCTGTCAAC
 CAGGCTGGAGTGCAGTTGTGCGATCTTGGCTCACTGCAACCTCAGCCTCCCAAGTAGCTG
 GGATTACAGGCATGCACCATCATGCCAGCTAATTTTTGTATTTTAGTAGAGATGGNGT
 TTAAGTGTGGCCAGGCTGGTCTTGAACCTCCTGACCTCANGTATCCACCGGCCTCAG
 CCTCCCAAAGTGCTGGGATTATAGGCGTGAGCCACTGCACCCGCTCTAATNTTGTATTT
 TTAGTAGAGATGGGGTTTCACCATGNTNGCTAAGCTGGTCTGGAACCTATGGCCTCAAGT
 ATCTGCCCACTNAGCCTCCCAAGTGCTGAGTAAGCCAGTTTTCTATAGCCCCATAGACAA
 GTAAAGGAACAGGTAANTCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for AK096168 unedited
 TCGGTACATCTATGNACCCGCGGCCGAANCTANGATCGAGTTTTTTTTTTTTTTTTTG
 GATTTCTATTCATTTTTATTCATTCCTCCAAAGACACCACAGGCCAACACACCCTTGAT
 GTGTCCTTCATGGTTCCCACTGCAGTGGACACAAATCCCTCCATCATTATCCAGGCATG
 GATGGAACCTCTGCTGTGGTGAGGAGTTGTCTCGCCCACTCACCAAGTTTTCCATGCCT
 GTTCTGCTTTTGATGGCAATGCCAAATTCATCATACATTTCTTGAATTCCTGCCTTCA
 AGGGTCTTCCAGCCCTGTGGTGCCATGCAGACACACTTCAGTGGCGGCCAGTGATCTGTC
 TACAAGGGAGTCTTAGTCTTTCTGCTTGGATGCTCCCAGGGACAGATGCCTGCCAACAA
 CCTTATGTCTTCAAAAGACTAAATGGAATCCATTAAAGTTATGATTTAAAGGCGA
 CCACCCCAAAAGATCATAACACTCAAGGGTGTCAATATATACAACTGTGTAAACACA
 ACCAATCTACAATATATCAACACAACCAGCACTCCTCTATGGGCACAGACACACACA
 AAATTGCTTGTCTTCTCAGAATGATCTCTGGCATGACTCCTGCTGGCATGAGGGCCGAG
 GAAATTGAGAGGAGCCAAAGCATATAGCAGTGATGTCAGACAGGACCAATCAGAGACAGG
 GTCCAAAGTGGGCGAAAAATGAGGAGCACAACCTCCAGCACAAGCATGGGGGTGGAGACA
 AAAGCACCCCGACTAGAACCATCTTTGTGCCGCCAGGGTGGGTGGCACTCATGTTTGA
 GCCTCCTTTGTCAAGCCTTTCTCGAAAAGGGGGGACCATGTCATGTTGTCTGGGTGCCTA
 TTGTGGGCGCCCTGTCT

Restriction Sites:

NotI-NotI

ACCN:

AK096168

Insert Size:

3250 bp

OTI Disclaimer:

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).

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: [AK096168.1](#)

RefSeq Size: 2909 bp

RefSeq ORF: 2909 bp

Locus ID: 64359

Cytogenetics: 17p13.3

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the thioredoxin superfamily, a group of small, multifunctional redox-active proteins. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. The encoded protein acts a redox-dependent regulator of the Wnt signaling pathway and is involved in cell growth and differentiation. [provided by RefSeq, Sep 2015]