

Product datasheet for **SC113369**

NXT2 (NM_018698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NXT2 (NM_018698) Human Untagged Clone
Tag:	Tag Free
Symbol:	NXT2
Synonyms:	P15-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018698, the custom clone sequence may differ by one or more nucleotides

ATGAGAAAATACAGAAGCCACTGGTCTCAGGGAGACAGAGAAGGATACCAAAGAAGAAGTAACTATTATG
 AGGGGCCACACACCAGCCACTCAAGCCCTGCGGACCGGACACGTGAGGAGGTAGTGACGCCGACACTGCC
 AGAACACACTGCTACAAGGTCCCAGATGGCCACGTCTCTGGATTTTAAACTTATGTAGATCAGGCATGT
 AGAGCTGCTGAGGAGTTTGTCAATATTTACTATGAGACAATGGATAAAGAAGACGGGCACTAACCAGGC
 TGTATCTGGACAAGGCCACCTTAATATGGAATGGAAATGCTGTTTCAGGGCTGGATGCCCTAAATAATTT
 TTTTGACACATTGCCTTCTAGTGAGTTCAGGTCAATATGTTAGATTGCCAACCAGTTCATGAGCAAGCA
 ACTCAGTCCCAAACACTACAGTTCTTGTTGTGACCAGTGGAAGTGTGAAGTTTGATGGAACAAACAACATT
 TCTTCAACCAGAACTTCCTGCTGACTGCTCAGTCCACTCCCAACAATACTGTGTGGAAGATTGCAAGTGA
 TTGCTTCCGTTTTCAAGATTGGTCTAGTAGTTAA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018698 unedited
 GGTGATATTTGTAACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGAGAGATGGGA
 GGGTGNAAAAATTTGTGCGTTTGGCGGGTTTCGCTCTCTTCATAAGTATTGATCATTCC
 GCAGCCCTGCGGACCGGACACGTGAGGAGGTAGTGACGCCGACACTGCCAGAACACACTG
 CTACAAGTCCCAGATGGCCACGTCTCTGGATTTTAAACTTATGTAGATCAGGCATGTA
 GAGCTGCTGAGGAGTTTGTAGATATTTACTATGAGACAATGGATAAAGAAGACGGGCAC
 TAACCAGGCTGTATCTGGACAAGGCCACCTTAATATGGAATGGAATGCTGTTTCAGGGC
 TGGATGCCCTAAATAATTTTTTTGACACATTGCCTTCTAGTGAGTTCAGGTCAATATGT
 TAGATTGCCAACCAGTTCATGAGCAAGCAACTCAGTCCCAAACTACAGTTCCTGTTGCGA
 CCAGTGGAAGTGTGAAGTTTGTGGAACAAACAACATTTCTTCAACCAGAACTTCCTGC
 TGACTGCTCAGTCCACTCCCAACAATACTGTGTGGAAGATTGCAAGTGATTGCTTCCGTT
 TTCAAGATTGGTCTAGTAGTTAAAGGGGCAAAAGTCCATTCTCATTGTTGCTCATTAGTTC
 CAGCAATTGAAATTTATGTGAATTATTTGATTGTAGAAGCACTATAATATGTGCTGAAA
 CTAATTTCTTTAATATTTCTATTCTGTGAGCAGCTTTTCTAGCAGTCCAGTTTG
 GAACATTGCCCTCTAAGAGCTTTAAACTATTTTCTTACCTGCCTTAAATACCTTCCACT
 AACGACATTCTTATAATAATATTAACACATGAACCTGGTACTAACATACTCACTGTGTA
 ACCCATCTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018698 unedited
 CCGCGGGCCGAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAGAAAAGTGTACAAG
 GCAAAATTTTATTTTTTCAAGTTACAAAAATAGGAGCATGTCAAAATACAGTCTAGTCC
 TTATACGAGTAGTTCAGCCATTTAAAGTTATACAGAGTTTGGAAAAAGCAGTTTATAT
 ACAAGTCTTAAACACAACAATCATGAACAATGCACACCGTTCAATGTAGTTATTGCTAG
 TTATATGCAGCTTTTAGTTACCATTGTTCTTCTGTAAAGGAAAGGACAGCATTGGAC
 ATTCTGATTGTTGCTGCTGAAGCTGTGGTTTTTGAAAAATCAATCCAAATAAAGATAAGC
 TCACTATGAGTAGAATAAAACGTGTAAGTTTCAATCAGTACTACAAGAAAGCATGGTTTA
 AATTTGAGTTGCATACAATTGTACATAACTCTATTTTGCTACTATAACAGAAACACAGTG
 TATAGTTTTGGCAAGAGTAAATGAATTACTGGTTCTATTAAGTGAAAAGAAACAGTT
 TTTGGTCCAATGTATAACAAGCTGGATATCTAGCTTAAACTTTAAAAATGGAAAAATA
 TTTATGTTTAAACCAAGCTGACCCAGGTTATTTACCTTTTAAATTAGAGATACGCGAAG
 CATTTGTTCTTTGAGGATATCATGAACATTGCTATGCGTATTTGTTTTTAAAGAAGATT
 ATGCATAGCGGGACCTATTTTGAACCGATCTATTTGTTTATGGCCTTTGGAGAACAACCC
 CAACATTAACCTTTTACCTCTAAATATTGAGAAATGGCTTGACCGGCCAACGCTGGGGAA
 AAATACCTATTGGGGGAGGGGGGACCTAAAACTTGGCCCTAAGTTCTGGGGAAGGGAG
 ACTTAATTTAGGGGCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_018698

Insert Size:

2900 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:	<u>NM_018698.2, NP_061168.1</u>
RefSeq Size:	2713 bp
RefSeq ORF:	429 bp
Locus ID:	55916
UniProt ID:	<u>Q9NPJ8</u>
Cytogenetics:	Xq23
Domains:	NTF2
Gene Summary:	The protein encoded by this gene contains a nuclear transport factor 2 (NTF2) domain, which plays an important role in the trafficking of macromolecules, ions, and small molecules between the cytoplasm and nucleus. This protein may also have a role in mRNA nuclear export. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jun 2011] Transcript Variant: This variant (1) encodes the longest isoform (1).