

Product datasheet for **SC120595**

C16orf71 (NM_139170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf71 (NM_139170) Human Untagged Clone
Tag:	Tag Free
Symbol:	C16orf71
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120595 sequence for NM_139170 edited (data generated by NextGen Sequencing)

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ATGGCATCCAACGATAAAGGCATGGCACCCCTCGCTGGGCTCTCCCTGGGCCTCCCAGATG
GGGCCCTGGGATGCCATCCTCAAGGCTGTCAAAGACCAGCTCCCCTCTCTGGACTCAGAC
TCCCCTTTGTGCGACTATGGGGAAGAGGAGCTGTTTCATCTCCAGCGAAACCAACCTCC
CTGATTCAGACCTGTGCGAGGAGCTGGCTGAAGATCCTGCCGATGGCGACAAGTCCAGG
GCCTGGTCTGCTGCAGCTGAAGAGTCCCTTCCCGAGCCAGTTCTGGTGCCTGCAGAATTG
GCCACAGAACCTGGGTGCAGACAGAACAAGGACAAAGGATGCATCCTCTCAGGAAGGA
AGAGACCCTGGCAGGCCTTTTGAAGCTCTGGTGAAGTCAAGCGCTCTTCTGGGATGGCC
GAGGAGCCCCCAGTGGCTGGAAGGCGACCTTGAAGCCTGTCTTTCAACACCAAAAGGA
TCCCAGGGTCTCCCTGGGACCCACAGGCCGAAGCCACTCTCTCTGCCATGAAGGAGAC
CCAAAGGCAGAGCCCCTCAGCACTGCCTCACAAGAATCTGTGAACCGCCGGGCCCTCCGA
CAGGAGAGAAGGAAGATGATAGAGATGGACATCCTCCAGAAAGTACCCGGGATGCCTGC
GGCCCCACAGCAGTGACAAAGGTGGGTGAAGGAGGCGCCCTGCCACGCTGCGGAGTCA
GCTCCCAGATCCAAAATGCCCTCGTGGAGCCTCCGGAGGGACCACAGTCTCTCGCTC
CAGCAACTTGAAGCGTGGGATTTGGATGACATCCTTCAGAGTCTGGCGGACAAGAAGAC
AACCAGGAAATCGTGCACCTGGAATGTGTGGTGGGCAGCTGACCACCCCAAGTTCAA
GACCGCATGGTGGCGAGCGCCACAACAGGCTCATGGAACAGCTGGCCCTCCTGTGCACC
ACGCAGTCCAAGGCCTCTGCTTGTGCCCGAAGGTGCCTGCCGACACTCCCAGGACACC
AAAGAGGCAGATTCAGGAAGCAGATGTGCCTCAAGGAAGCAGGGCTCCCAGGCTGGGCCA
GGCCCCGACAGTGGCCAGGGCATGAGGCTTAACGCAGAGTCCCCACCATCTTTATTGAC
CTGCGGCAGATGGAGCTACCAGACCCTGTCCCAGAAAAGTCCAGCCACAGCTCCTCT
GACAGTGAGGAGGAGGAGGAGGAAGAGATGGCAGCTCTGGGAGACGCAGAGGGGGCATCT
CCTTCCTCCCTGGGGCTACGGACCTGTACCGGAAAAGCCAGCTTCTCCAGCAGCTCAGG
GCCTTTCAGAAGGGGACAGCCCAGCCGAGCTGCCTGCCAGCAAGGGGCCCGCGGGTGGG
AGGGCTCAGGCCCTGAAGACACAGCTGGATCACGAACTGGGAGGAAGCAACACATGAAG
CTCTGTGCCAAGGGGAGAGCGCCAGGCTCGACTCCCAAGAGGCAGGCCAGAGCCCTG
GGGGATGTTCTGAGCCAGGGGACAGCCAGGGAGGCCCTGATGCCTCCTCTGGAGCAACTA
TAG
    
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Clone variation with respect to NM_139170.2
626 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139170 unedited

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NNTTGTCAAATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGTAAAGC
TCCGCTGAGAGGGAGAGTGTGAAGAAGGGACAGCCTCTGTACCTGCGGCGCGCCCGAG
GGGCGGACGCGAGCGGAGTGACGCGCTGGAGGCTGTTTATAGCGTGTCCAGGACAGCGG
GGGAGTGGAGGCAGAGGCCTGAGAGCTCCCCGGATTATGGTGCCTGAGAAGGCATCTGG
AAGCCTGGGCCCTCATGGCATCCAACGATAAAGGCATGGCACCCCTCGCTGGGCTCTCCCT
GGGCCTCCAGATGGGGCCCTGGGATGCCATCCTCAAGGCTGTCAAAGACCAGCTCCCCT
CTCTGGACTCAGACTCCCCTTTGTGCGACTATGGGGAAGAGGAGCTGTTTCATCTCCAGC
GAAACCAAACCTCCCTGATTCCAGACCTGTGCGAGGAGCTGGCTGAAGATCCTGCCGATG
GCGACAAGTCCAGGGCCTGGGTGCTGCAGCTGAAGAGTCCCTTCCCAGCCAGTTCTGG
TGCCTGCAGAATTGGCCACAGAACCTGGGTGCAGACAGAACAAGGACAAAGGATGCAT
CCTCTCAGGAAGGAAGAGACCCTGGCAGGCCTTTTGAAGCTCTGGTGAAGTCAAGGCTC
TTCTTGGGATGGCCGAGGAGCCCCCAGGTGGCTGGAAGGCGACCTTGAAGCCTGTCTT
TCACACCAAAGGATCCCAGGGTCTCCCTGGGACCCACAGGCCGAAGCCACTCTCTCTG
CCATGAAGGAGAGCCANAGGCAGAGCCCTCAGCACTGCCTCACAAGAATCTGTGAACCC
CCGGGCCCTCCGACGGGAGAGAAGGAGATGATAGAGATGGACATCCTCCAGAAATCACCC
GGNATGCCTGCGGGCCGC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_139170 unedited GACATCTATGTACGCGGCCCTTCTANGTCGAGTTTTTTTTTTTTTTTTTTTGAACCTTGG AACAGAGTTTATTTTCCATCACTGTAAAACATTCTCAGTGAGGTTACTGGCATTAAAAAG GTGGGAGAAATGGAAGAAATGGGGTTGAAGAAAAAAGCCTTTGCTCTTGACAGCTA GGCAGCCACAGCGGAGGCCGCCAGGCTGCGAGGGCAGCGTATGGGGCAGAGCCCGTTC TGGCGGCACAGGCCCGGAGTGGAGGGGCAGGGGAGGGTCTCTGTAGGTGGGAGAGGGC CTGGGGGCTGGGAGGCAGCCTGGCCTTGCCCTACAGGAGGGACCTCCTGGGACTTTAT GGAAGCCTGTCTTGCCTTTGACTTGCAATGAAAATGCCCTCATCATTGGGAGTGGGGTC GGTGGGGGTCCCAAGTGGCCAGATCACGTGGGGTCCAGAGAGCAGACATCTGTAGCCCT GATCTTGGCGCCAGTGACCACGGCCAAGCAGGGCCTGTCTTTTGCCTGGTACAAGGCTT GATGAGAAGAGACCCCTGCCATCCTCAGTGGCCTGGCAGCCAGGGGTGAACCCAGGGG AAGCTGGGACACTGTCCCATAGGCCCGGCCTACTGTGCTGCCTGAGCCCGTGGCACC GTGGGGCCCAAGGTGGTATGATTTCTGCTCTCCACGGGGCAGACAGCAAGACACA TCCTGAGGCAGCTATAGTTGCTCCAGAAGATGCATCAGGGCCCTNCCTGGGCTGCCCTGG NCTCAGGAACATCCCCCAGGGCTCTGGGCCCTGCCTCTTGGGAGTCGAGCCCTGGGCGC TCTGGCCCTGGCACAGAGCTTCATGGGGTGGCTCCTTCCAGTTCG
Restriction Sites:	NotI-NotI
ACCN:	NM_139170
Insert Size:	2500 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:	<ol style="list-style-type: none"> 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_139170.2</u> , <u>NP_631909.2</u>
RefSeq Size:	2716 bp
RefSeq ORF:	1563 bp
Locus ID:	146562
UniProt ID:	<u>Q8IYS4</u>
Cytogenetics:	16p13.3
Gene Summary:	In ciliated cells, dynein axonemal particle-specific protein required for deployment of ODA to the axoneme. Interacts with outer dynein arm (ODA) subunits.[UniProtKB/Swiss-Prot Function]