

Product datasheet for **SC114832**

KIAA0753 (NM_014804) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0753 (NM_014804) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0753
Synonyms:	MNR; OFIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014804, the custom clone sequence may differ by one or more nucleotides

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ATGGGACCAGGCCAGCCAGCTTCAACCTGTGTTTCATCTAGCACCTAGGACCCAACTTGATGGGAGGAGCG
ACCCCAAAGTACTTCAGACCCAGAACCAGCTGCAGTTTAAATAGGAATGTTCTACACATTCAAGCAACTT
GGCGATCCGATATTCTTGCCACATGCCATTAGAATTGAAAACTGAAGCACTCATACAATGAATCATAC
CATTGTAAAGATGCAGATTGTAGAGTTGGTCCTGACCTGGGCAGTTCTGTTTCATTTCCGTCATATCCC
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GACCACAGGGTGGAAAGGAAGGAATCAAAGAGTCAAGCAGCCTGTCAGTGTAGCCACCAGCCATCCAAAG
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GTTACCTCAGAATTCTTAGAGGCTGCTACATAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014804 unedited
 NGGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGAAGACTG
 TTGNCCGGAGACAAGGCTGTCACTATTGTTCTGTACTACCTGACATTATGGGACCAGGCC
 AGCCAGCTTCAACCTGTGTTCACTAGCACCTAGGACCCAACCTTGATGGGAGGAGCGACC
 CCAAAGTACTTCAGACCCAGAACCAGCTGCAGTTTAATAGGAATGTTCTACACATTCAA
 GCAACTTGGCGATCCGATATTCTTGCCACATGCCATTAGAATTGAAAACTGAAGCACT
 CATACAATGAATCATACCATTGTAAAGATGCAGATTGTAGAGTTGGTCCTGACCTGGGCA
 GTTCTGTTTCATTTCCGTCATATCCCAAGAGAGACTTAGCTATGCTGTCCACCTAGCCA
 GAAGAGATGTGAAACGAAGACAATTTGAAAAACATATAAAAGAACATCATCTCAGAAGTC
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 TTAAGTGCCAAATTCGCCACCCACCCATGATCCGGGACTTCAGCCTCATCCAGGATAG
 GTGACCACAAAANNCATAGTGAACAGAAAAGCCTGCTAGAAGTCCAGCGACTCCAGAAAG
 ACTGAGCAGTTGTATCCACAAATTGAAGAGGTACTANNAAGTAAAGAATCCAGGAGAAT
 GGATAATTGAGTCACATANATTACACACTAGAGTCTGGGCATGTCTAGCTGGCGCTGCC
 ATCGAGAGCATTCGGCTTACGAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014804 unedited
 TTGGCCGCGGCCGCATCTATGATCGTTTTTTTTTTTTTTTTTTTAAAATATTGGGTTTAT
 TTTAAAACTCAGCACAGTACAACTGCCACACAAATTACTTTATACTATCAACAACCGG
 TGCTCCTATTAATTCAAGTGTACACATTTAACTCCCCAGGTTAAACACCTTGTAATTTAC
 CTTGAAGCTCTTTACATTCTGAAGTTATATAAAATTAAGCAGGAAAACATTAACATTAA
 TGAAAAATCAATTTGCACAAATAAGTGTGATCAAGCAGCTTAAATCACCTGAAATTTCTG
 TACTTCAGAGAAAAATCCCAGATGACAGCACTGGACAGGTTATAAAGAGTTCCCTTATTC
 CCTGGGGGCGTCTCAGGCATTCTTTCTGCATGTTTCCTTCACTGAGCCTCAGGCTACGAA
 TTGAGAGAAAGTCTTCCAGGCAGTGGCCTGATTCTTACGCACATTCCGTTTCTTTTCT
 GAATTCAGAGTTTCTGAAAACACAGGCTTTTCTTGGAAAACATGATCTGTAAGATGTT
 GGAGGACCAGGCTATGATGGTTCTTAAGTTTCTCCTTTCTCTGGGGAGACACAGAGGTC
 TTCGCGCATCCATCTGTTCCCTACTCCCACTTGGGTTCTTTGTGGTATGAAATAGAGA
 CACTTCTGACCTCATCGGAGACACAGCGAGGTCTGTACCTTACCCAGGCACAGGAGAAG
 GCCTGGTCTCTCTGATTCTCTCANACTTCTCTGAATCCAGAGAAAAGTTTTTATACCA
 GATTGTGTCAACACACAGCAATAAAATATGCTCGAGAACTAAAAATGTGAAAACACCTAG
 GAATGGAACGTTGAAGAAATGTGTGCCTATTATGTGCACTGACAGCCCAGGGGGCTCTGT
 TGGAAATAACTGCAACANAGGATAGTTTGGCAGCACACCCAGATGGGCTCTCTGATCTA
 CACCTANTAGGCANAGTCCTGAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_014804

Insert Size:

4000 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_014804.1 , NP_055619.1
RefSeq Size:	4424 bp
RefSeq ORF:	2904 bp
Locus ID:	9851
UniProt ID:	Q2KHM9
Cytogenetics:	17p13.1
Gene Summary:	This gene encodes a subunit of a protein complex that regulates ciliogenesis and cilia maintenance. The encoded protein has also been shown to regulate centriolar duplication. Mutations in this gene cause an orofacioidigital syndrome and a form of Joubert syndrome in human patients. [provided by RefSeq, May 2017]