

## Product datasheet for **SC111329**

### **C14orf106 (MIS18BP1) (NM\_018353) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf106 (MIS18BP1) (NM_018353) Human Untagged Clone
Tag:	Tag Free
Symbol:	C14orf106
Synonyms:	C14orf106; HSA242977; KNL2; M18BP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018353, the custom clone sequence may differ by one or more nucleotides

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ATGATTGCAACACCTTTGAAACATTCAAGAATTTACTTACCTCCAGAGGCATCTTCTCAAAGGAGAAATC
TACCCATGGATGCAATCTTTTTGACAGCATTCTTCAGGCACACTTACTCCTGTAAAAGATTTGGTGAA
ATATCAGAACTCCTCCTTAAAAATGAATGACCATAAAAAGAATCAGTTTCTAAAAATGACAACTTTTAAC
AATAAAAAATATTTTCAATCAACTATGCTAACAGAGGCTACTACCTCTAACAGTTCTCTTGATATCAGTG
CTATAAAGCCCAACAAGGATGGATTAATAAATAAAGCAAATATGAATCACCAGGAAAAATTTTCTAAG
AATGAAAGAAAAAGTACTGCGTGACAAGCAAGAACAGCCATCAAGAAACAGTAGTTTGTGGAACACAG
AAAAGTGGAAATATGAAACCTTACTCCTAACAGAGTTGAAAAAAAAAATTGCAGCATACCTACCTAT
GTGAAGAAAAGGAAAACAACAAATCATTCCAGTCAGATGACAGTTCACTAAGAGCCTCAGTCCAAGGAGT
TCCTCTAGAATCATCAAATAATGATATTTTCTCCCGGTCAAACAAAAGATTTCAGTGCCAGCAGGAAAAAG
AAAGCACCACCTGCACAATTTAECTTACGAACCTCCAACCTGAACCAAGAACAGGAAAAATTTTTGGCTG
TAGAAGCCCGAAACAAGACATTAAGTAGAGCTCAGTTGGCTAAACAAAATTTTCACTCAAAGGAGAGTAT
AGTTGCAACCACTAAATCCAAAAAGGACACGTTTGTGTTTAGAAAGCGTTGATTCTGCTGATGAACAATTT
CAAAATACTAATGCTGAGACTCTCAGTACTAATGTATTCCTATTAATAATGGCAGCCTGTTAATGGTTT
CTGATAGTGAGAGGACAACAGAAGGGACTTCGCAACAGAAAGTTAAGGAAGGAAATGAAAAACAGTGCC
TGGAGAGACAGGCTTCCAGGTTCCATGAAAGATACATGTAATAATGTACTTGCAACACCAAGACTTCAT
ATAACAATACCTCGGAGGTCAAAAAGAAATATTTCAAAGCTTTCTCCTCAAGAATATTTCAAACCTGTTA
CAAATGGACTTAAAAAAATCAGGTAGTTCAGCTACAGGAATGGATGATTAAGCATCAATAATAATAC
TGCTATATGTGTAGAAGGAAAAATGATAGACGTCACATAACATATATTGGCACAGTAATGTAATTATAGAG
CGGATTGAGCACAACAACTTAGGACTATATCAGGCAACGTTTATATATTAAGGCATGATAGACCAAA
TTTCCATGAAAGAAGCAGGATATCCAAATATCTCATAAGGAAATTTATGTTTGGATTTCCAGAAAATTG
GAAAGAGCACATTGATAATTTTCTGGAACAATTAAGGGCTGGTAAAAAGAACAGGAAAAAGACCAACAA
AAACAGAAAACCTGGAAGATCTGTCCGTGACATAAGGAAATCAATGAAAAATGATGCACGAGAAAACCAA
CAGATACTGCTCAAAGAGCCACCACCCTTACGATTTTGATTGTGATAATTTGGAAGTGAAGAGTAATAA
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GCACAGTGAGTCACCAGGAGCTACAGAATTAACATGTGCCACAGTAATTGCCAAAATAAACCAACATTA
AGGTTCCAGATGACCAAGTAAATAACTATTCAAAATGGAGGAGGAGATGACTTATCTAATCAGGAAT
TAATTGGAAAAAAGAATATAAAATGTCTTCAAAGAACTAAAAATTGGTGAAAGAACAAATGAAAGGAT
AATAAAAAGTCAGAAGCAAGAGACAACCTGAAGAATTGGATGTATCCATTGATATTCTAACCTCAAGGGAA
CAGTTTTTCTCAGATGAAGAAAGAAAATACATGGCCATCAATCAGAAGAAAGCTTATATTTTAGTAACAC
CACTTAAATCTAGAAAAGTGATAGAGCAAAGATGCATGAGGTATAATCTGTCCGCTGGCCACCATCAAAGC
AGTAACAGATTTTGTAAATACCAGAGTGTCAAAAAAAGTCCCATCAGCAAGTCCATGGGACTTTAGAA
AATAACATTTGAAGGTCATAAAAGTAAAAACAAGGAAGATTGCGATGAACGTGACTTACTTACTGTCAACC
GGAAAAATAAAATATCTAACCTTGAAGAAAGCAAAATGCTCACCTCTGACTTTAAGAAAAATACCAGACT
ATTACCAAAATTAAGAAAAATAGAAAATCAGGTAGCTATGTCATTTTATAAGCATCAGTCTCACCAGAT
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GAAACACCAAGAAGCAGTGGTTCACCTGAGAAAGAGCACAAGAAACACAAGTAATTTCCAGTGATTTT
GGAACCTGAAACTGAAGAAAGTGAATTTTATATCAAACAAAAGAAAGCTAGACCTTCCGTCAA
GAAACTCTTCAGAAGTCTGGTGTAGGAAAGAGTTTCCAATTACTGAGGCAGTAGGATCTGATAAGACAA
ATAGGCATCCCTAGAATGCTTACTGGTTAATTCAGGATAAGGAATGGAATGAGAAGGAGTTACAGAA
ACTTCATTGTGCTTTTGCATCTCTTCCAAGCACAAACCTGGTTTCTGGTCAGAGGTAGCTGCGCGTGT
GTTTCTCGATCTCCTGAAGAATGCCAGAGGAAATACATGGAAAATCCCAGAGGAAAAGGATCCCAGAAAAC
ATGTCCTAAGAAGAAGCCAGCCAATTCCAAAGGCCAAAATGGCAAGAGAGGTGATGCTGATCAGAAAACA
AACTATTAAGATAACTGCCAAAGTGGGAACTCTTAAAAGGAAGCAACAGATGAGGGAATTTCTGGAACAG
TTGCCAAAAGATGACCATGATGATTTTTTTCAGTACAACACCTTTACAGCATCAAAGAATACTGTTGCCAA
GTTTCCAGGACAGTGAAGATGATGATGATTTCTGCCAAATATGGACAAAATCCAACAACCTCCATCATC
AGTTATCTTTCCATTGGTAAAACTCCTCAATGTCAGCATGTCAGTCTGGCATGCTAGGTTCTATAAAT
AGGAATGACTGTGATAAATATGTTTTTCGTATGCAAAAATATCAAAAAGTAATGGTGGTATTGTCTGGG
GCAACATCAAGAAAAAATAGTTGAAACTGATTTCTCAACTCCAACACCAAGAAGGAAAAACCCATTAA
CACAGACTTAGGAGAAAACCTCTGGTATTGAAAACTTTTCACTAATGCTGTGGAATCTTTAGATGAAGAA
GAGAAAGATTATTATTTTGAAGTCTGATTCTGCATAG
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_018353 unedited
GGGTCAACTTTTTGTATACGACTCCTATAGGCGGCCCGGATTTCGGCACGAGGGCCCGCGG
GGGTGCGGCCCTCTCCTCGCGGAGCCGAGCCGAACTGCGGCAGTCTCTCCCTGCCAG
GCTCTTATCCAAGTCTGTGGATCCCTTCTGAAGTCTATCTGAAAATTGCGCTTAA
GTGAATTTTCTGTAGAGAAGTGGTTGCTACTTTCTGTCAAGATGATTGCAACACCT
TTGAAACATTCAAGAAATTACTTACCTCCAGAGGCATCTTCTCAAAGGAGAAATCTACCC
ATGGATGCAATCTTTTTGACAGCATTCTTCAGGCACACTTACTCCTGTAAGATTTG
GTGAAATATCAGAACTCCTCTTAAAATGAATGACCATAAAAAGAATCAGTTCTAAAA
ATGACAACTTTTAAACAATAAAAAATATTTCAATCAACTATGCTAACAGAGGCTACTACC
TCTAACAGTTCTTGTATCAGTGCTATAAAGCCCAACAAGGATGGATTAATAAATAAA
GCAAACTATGAATCACCAGGAAAAATATTCTAAGAATGAAAGAAAAAGTACTGCGTGAC
AAGCAAGAACAGCCATCAAGAAACAGTAGTTTGTGGAACCACAGANAAGTGGAAATAAT
GAAACCTTCACTCCTAACAGAGTTGAAAAAATAAATGTCAGCATACCTACCTATGTGAA
GAAAAGGAAACCANATCATTCCAGTCAGATGACAGTTCCTAAGAGCCTCAGTCCAGG
GNAGTCTCTAGAATCATCAAAATAATGGGATATTTCTCCCGGTCAAACAAAGATTTCAG
TGCCACAGCAAAAAGAACCCACTGCACATTTAACTTTACGAACCTTCACTCTGAACCC
AGACAGNAAAAATTTTGG
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018353

**Insert Size:**

4700 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018353.3</a> , <a href="#">NP_060823.3</a>
<b>RefSeq Size:</b>	4792 bp
<b>RefSeq ORF:</b>	3399 bp
<b>Locus ID:</b>	55320
<b>UniProt ID:</b>	<a href="#">Q6P0N0</a>
<b>Cytogenetics:</b>	14q21.2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.[UniProtKB/Swiss-Prot Function]