

## Product datasheet for RC209524

### C14orf106 (MIS18BP1) (NM\_018353) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf106 (MIS18BP1) (NM_018353) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C14orf106
Synonyms:	C14orf106; HSA242977; KNL2; M18BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209524 representing NM_018353 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTGCAACACCTTTGAAACATTCAAGAATTTACTTACCTCCAGAGGCATCTTCTCAAAGGAGAAATC  
TACCCATGGATGCAATCTTTTTGACAGCATTCTTCAGGCACACTTACTCCTGTAAAAGATTTGGTGAA  
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GAAAGAGCACATTGATAATTTCTGGAACAATTAAGGGCTGGTAAAAGAACAGGAAAAGACCAACAA



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AAACAGAAAACCTGGAAGATCTGTCCGTGACATAAGGAAATCAATGAAAAATGATGCACGAGAAAACCAAA  
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**Protein Sequence:** >RC209524 representing NM\_018353  
Red=Cloning site Green=Tags(s)

MIATPLKHSRIYLPPEASSQRRNLPMDAIFFDIPSGLTPVKDLVKYQNSSLKLNDHKKNQFLKMTTFN  
 NKNIFQSTMLTEATTSNSSLDISAIKPNKDGLKNKANYESPGKIFLRMKEKVL RDKQE QPSRNSLLEPQ  
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 RIEHNKLR TISGNVYILKGMIDQISMKEAGYPNYLIRKFMFGFPENWKEHIDNFLEQLRAGEKNREKTKQ  
 KQKTGRSVRDIRKSMKNDARENQTDTAQRATTTYDFDCDNLELKS NKHSESPGATELNMCHSNCQNKPTL  
 RFPDDQVNN TIQNGGDDL SNQELIGKKEYKMSSKLLKIGERTNERI IKSQKQETTEELDV SIDILTSRE  
 QFFSDEERKYMAINQKKAYILV TPLKSRKVIEQRCMRYNLSAGTIKAVTDFVIPECQKKSPIKSMGTLE  
 NTFEGHKS KNKEDCDERDLLTVNRKIKISNLEKEQMLTSDFKNTRLLPKLKKIENQVAMSFYKHQSSPD  
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 ETLQKSGVRKEFPITEAVGSDKTNRHPLECLPGLIQDKEWNEKELQKLHCAFASLPKHKPGFVSEVAAA  
 GSRSP EECQRKYMENPRGKGSQKHVTKKPPANSKGQNGKRGDADQKQTIK IITAKVGT LKRKQMMREFLEQ  
 LPKDDHDDFFSTTPLQHQRILLPSFQDSEDDDDILPNMDKNPTTPSSVIFPLVKTPQCQHVSPGMLG  
 SINRNDCKYVFRMQKYHKSNGGIVWGNIKKLVETDFSTPTPRRKT PFNTDLGENSGIGKLF TNAVESLDEE  
 EKDYYSNSDSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8114\\_a10.zip](https://cdn.origene.com/chromatograms/mk8114_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

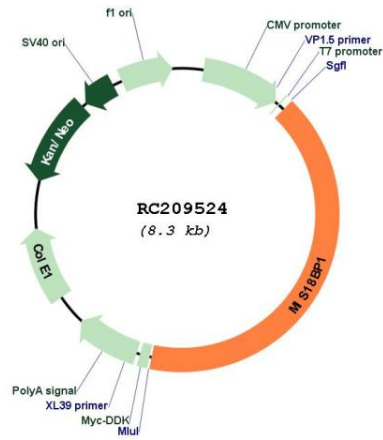


**ACCN:** NM\_018353

**ORF Size:** 3396 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_018353.5</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>MW:</b>	129.09 kDa
<b>Gene Summary:</b>	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209524