

Product datasheet for RC200789

MIS12 (NM_024039) Human Tagged ORF Clone

Product data:

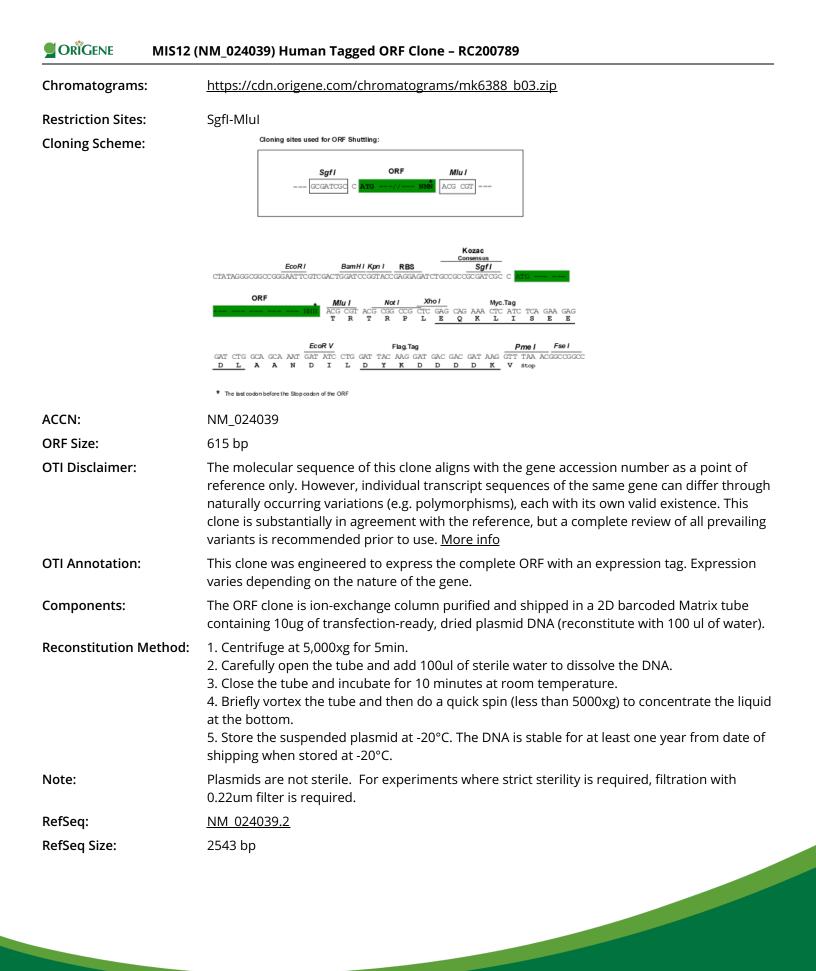
OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	MIS12 (NM_024039) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIS12
Synonyms:	2510025F08Rik; hMis12; KNTC2AP; MTW1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC200789 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCTGTGGATCCAATGACCTACGAGGCCCAGTTCTTTGGCTTCACGCCACAAACGTGCATGCTTCGGA TCTACATTGCATTTCAAGACTACCTATTTGAAGTGATGCAGGCCGTTGAACAGGTTATTCTGAAGAAGCT GGATGGCATCCCAGACTGTGACATTAGCCCAGTGCAGATTCGCAAATGCACAGAGAAGTTTCTTTGCTTC ATGAAAGGACATTTTGATAACCTTTTTAGCAAAATGGAGCAACTGTTTTTGCAGCTGATTTTACGTATTC CCTCAAACATCTTGCTTCCTGAAGATAAATGTAAGGAGACACCTTATAGTGAGGAAGATTTTCAGCATCT CCAGAAAGAAATTGAACAGTTACAGGAGAAGTACAAGACTGAATTATGTACTAAGCAGGCCCTTCTTGCA GAATTAGAAGGCAAAAAATTGTTCAGGCCAAACTCAAACAGACGTTGACTTAGCTAGGCAGGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC200789 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MSVDPMTYEAQFFGFTPQTCMLRIYIAFQDYLFEVMQAVEQVILKKLDGIPDCDISPVQIRKCTEKFLCF MKGHFDNLFSKMEQLFLQLILRIPSNILLPEDKCKETPYSEEDFQHLQKEIEQLQEKYKTELCTKQALLA ELEEQKIVQAKLKQTLTFFDELHNVGRDHGTSDFRESLVSLVQNSRKLQNIRDNVEKESKRLKIS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



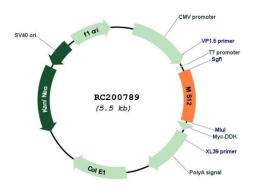
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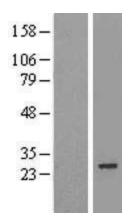
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	MIS12 (NM_024039) Human Tagged ORF Clone – RC200789
RefSeq ORF:	618 bp
Locus ID:	79003
UniProt ID:	<u>Q9H081</u>
Cytogenetics:	17p13.2
MW:	24.1 kDa
Gene Summary:	Part of the MIS12 complex which is required for normal chromosome alignment and segregation and for kinetochore formation during mitosis (PubMed:12515822, PubMed:15502821, PubMed:16585270). Essential for proper kinetochore microtubule attachments (PubMed:23891108).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200789



Western blot validation of overexpression lysate (Cat# [LY411415]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200789 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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116	-	-		
66	_	-		
45	_	-		
35	_	-	_	_
25	_	-	-	
18	_	-		
14	-	-1		

Coomassie blue staining of purified MIS12 protein (Cat# [TP300789]). The protein was produced from HEK293T cells transfected with MIS12 cDNA clone (Cat# RC200789) using MegaTran 2.0 (Cat# [TT210002]).

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