

Product datasheet for **MR210694**

Kifc3 (NM_001145832) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kifc3 (NM_001145832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kifc3
Synonyms:	A1325457; BB123200
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210694 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCGCCCCGCCAGCCAGCCAGCCGCCGCCCTTCCACACACCGCCAGGGAGGTTGAGAA
 CTGGGCGTGAAAAAGATATTCTACCCAGTGGCGAGGAAGACTCCACTTCTCGACTGCAGCTCGCCCGTC
 TCTTGACAGTGTGAGCCCTCAGCGTGGACTGGCCTGGCCCTAGGAGTCCCATAGACTCTACCTGACA
 GTGCAGGTGGAGAATCTAAAGGAAAAGCTCATTAGCCAGGCCAGGAAGTGAAGCCGACTGCGATCAGAAC
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 GAGGCGCTGTGAGGTGAACTGCAGGAGCTTCGGGCCAGCCGGTGGTGCCTGCGAGGGCTGTGAGCAC
 AGCCAGGAGAGCAGCCAGCTCCGTGACAAGCTGTCCAGCTGCAGTTGGAAGTGGCTGAGAACAAAGGCA
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 ATCGCCAGTCTGAGGGCCAGTCCCCACCTGTTAAGTATGTCATCAAGACAGTGGAGGTAGAGTCTTCCA
 AGACCAAGCAGGCCCTCAGCGAGTCCCAGACCCGGAACAGCACCTGCAGGAGCAAGTGGCCATGCAGCG
 GCAGGTGCTGAAGGAGATGGAGCAGCAGCTACAGAACTCCACCAGCTGACAGTCCAGTTGCGGGCTCAG
 ATTGCCATGATGAGGCAGAGCTGGAGCGGGCACACGGGCAGATGCTGGAGGAGATGCAGTCTTGGAGG
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 CCTGGCAGGTGTGAGGACCAACCTGTGACGCTGCAGCCTGCGCTGAGGACCCTACCAACGACTACAAT
 GGGCTCAAGCGGCAGGTGCGGGGCTTCCCTTGTGCTGCAGGAGGCTCTCAGGAGTGTCAAAGCTGAGA
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 CTCCGCACCAGGGGAAGCTGAACCTGGTGGACCTGGCTGGTTACAGAGCGTGTGGCAAGTCCGGGGCTG
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 CCTGCGTTCTCGACAAGGCCATGTGCCCTTCCGCAATCCAAACTCACCTACCTGCTGCAGGACTCACTC
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 ACTCCCTCAGATTTGCTGAGAGGGTTCGCTCTGTGGAGTTGGCCCTGGGTCCCGCCGACAGAGCTGGG
 TTCCTGGTCAAGCCAGGAGCACCTGGAGTGGGAGCCGGCTTCCAGACACCACAGCCTACAGCACGAGCC
 CACTCTGCCCTGGCTCTGGGACCAGTAGCCGCCAGGTTCCATCCGAAGGAAACTGCAGCCGTCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210694 protein sequence

Red=Cloning site Green=Tags(s)

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MARPAPASPAARPFPHGTGGRLRTGRGKDILPSGEEDSTSRTAARPSLAQCRALSVDWPGPRSPHRLYL
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SQESSQLRDKLSQLQLEVAENKGMSELNLEVQKTDRLAEVELRLKDCLAEKAEQEEERLSRRLRDSHET
IASLRAQSPPVKYVIKTVEVSSKTKQALSESQTRNQHLEQVAMQRQVLKEMEQLQNSHQLTVQLRAQ
IAMYEAELERAHQMLEEMQSLEEDKNRAIEEAFARAQVEMKAVHENLAGVRTNLLTLQPALRTLNDYN
GLKRQVRGFPLLLQEALRSVKAIEIGQAIEEVNSNNQELLRKYRRELQLRKKCHNELVRLKGNIRVIARVR
PVTKEDGEGPEATNAVTFDPDDDSIIHLLHKGKPVSELDKVFSPWASQQDVFQEVQALITSCIDGFNVC
IFAYGQTGAGKTYTMEGTPENPGINQRALQLLFSEVQEKASDWQYNITVSAAEIYNEVLRDLLGKEPQEK
LEIRLCPDGGSQLYVPGLTEFQVQSVDDINKVFEFGYNNRTTEFTNLNEHSSRSHELLIVTVRGVDCSTG
LRTTGKLNLDLAGSERVKGSGAEGNRLREAHINRSLALGDVIAALRSRQGHVFPFRNSKLTYLQLQDSL
SGDSKTLMVVQVSPVEKNTSETLYSLRFAERVRSVELGPGSRRETELGSWSQEHLEWEPACQTPQPTARA
HSAPGSGTSSRPGSIRRKLQPSA
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001145832.1](#), [NP_001139304.1](#)

RefSeq Size: 2945 bp

RefSeq ORF: 2064 bp

Locus ID: 16582

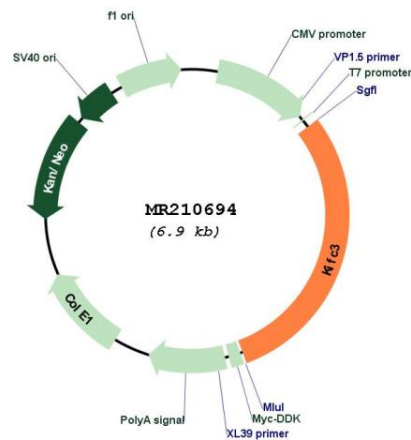
UniProt ID: [O35231](#)

Cytogenetics: 8 47.12 cM

MW: 89.1 kDa

Gene Summary: Minus-end microtubule-dependent motor protein. Involved in apically targeted transport. Required for zonula adherens maintenance.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210694