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Product datasheet for MR216335

Kif3c (NM_008445) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif3c (NM_008445) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif3c
Synonyms:	mKIAA4058
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR216335 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGTAAGACCAAGGCCAGCGAGGCCCTGAAGGTGGTGGCCCGGTGCCGCCCCCTCAGTAGGAAGG
AGGAGGCTGCTGGTCATGAGCAGATTCTGACCATGGACGTGAAACTGGGCCAGGTGACTCTGCGAAACCC
CCGCGCGGCACCCGGGGAGCTGCCCAAGACCTTCACTTTTGATGCTGTGTATGATGCTAGCTCCAAGCAG
GCCGACCTGTATGACGAAACGGTGAGGCCCCTGATAGACTCAGTGCTTCAGGGTTTCAACGGCACCGTAT
TTGCCTATGGCCAGACTGGCACTGGCAAGACCTACACCATGCAGGGGACCTGGGTGGAGCCAGAGCTCCG
CGGGGTTATCCCGAATGCCTTTGAGCACATCTTCACCCACATCTCCCGCTCCCAGAACCAGCAGTACCTG
GTTCGTGCTTCCTACTTGGAGATCTACCAGGAGGAGATCCGAGACCTGCTATCCAAGGAGCCAGGCAAGA
GGCTAGAGCTGAAGGAGAATCCTGAAACAGGGGTCTACATCAAGGACCTCTCTTCCTTTGTCACCAAGAA
TGTCAAGGAGATTGAGCATGTGATGAACCTGGGGAACCAAGCCCGAGCAGTGGGCAGCACCCACATGAAT
GAGGTCAGCTCTCGGTCCCATGCCATCTTTGTTATCACAGTGGAGTGCAGTGAGCGTGGCTCTGATGGCC
AGGATCATATCCGAGTAGGCAAGCTCAACCTGGTAGACCTGGCCGGCAGTGAGAGACAGAACAAGGCTGG
TCCCAACGCAGCTGGAGGGCCAGCCACACAGCCAACAGCTGGTGGTGGGAGTGGAAGTGGCAGCGCTAGT
GGTTCTGCCAGCAGCGGAGAGAGGCCTAAGGAAGCTTCTAAAATCAATCTCTCGCTGTCCGCCCTGGGCA
ATGTGATTGCTGCTCTGGCTGGCAACAGGAGCACCCACATCCCCTACCGGGACTCCAAGCTAACCCGGCT
GCTCCAAGACTCACTGGGGGGCAATGCCAAGACCATCATGGTGGCCACACTGGGTCCAGCTTCTCACAGC
TACGACGAGAGCCTCTCTACCCTGCGCTTTGCCAACCGAGCCAAGAACATCAAGAACAAACCGCGGGTGA
ACGAGGACCCCAAGGACACACTGCTGAGGGAATTCCAGGAAGAGATCGCTCGCTTGAAGGCCCAGCTGGA
GAAGAAGGGGATGCTGGGCAAGCGACCTCGGAGAAAGAGCAGTCGTAGAAAGAAGGCCGTGTCTGCCCCA
GCCGGCTATCCAGAGGGGTCCGTGATTGAGGCCTGGGTGGCCGAAGAGGAAGATGATAACAACAACAATC
ACCACCCACCCCAGCCCATCTTGGAGGCAGCTTTGGAGAAGAACATGGAGAATTACCTGCAGGACCAGAA
GGAACGGCTGGAGGAGGAGAAGGCTGCCATCCAGGATGACCGCAGCCTTGTGAGTGAGGAGAAGCAGAAG
CTTCTAGAAGAGAAGGAGAAGATGCTGGAGGATCTACGGCGGGAGCAGCAGGCTACAGAGCTGCTTGCAG
CCAAGTACAAGGCCATGGAAAGCAAGCTACTCATTGGGGGGCGGAACATCATGGATCACACCAACGAGCA
ACAGAAGATGTTGGAACTGAAGCGACAGGAGATTGCGGAACAGAAACGCCGTGAACGGGAAATGCAGCAG
GAGATGCTGCTCCGCGATGAAGAAACCATGGAGCTACGTGGTACCTACTCATCCCTGCAGCAGGAGGTGG
AAGTTAAAACCAAGAAACTCAAGAAGCTCTATGCCAAGCTACAGGCGGTGAAGGCCGAGATCCAGGACCA
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CTCAAGTACCTCATCATTGAGAACTTCATCCCCCCTGAGGAGAAGAACAAGATCATGAACCGCCTTTTCC
TGGACTGTGAGGAGGAGCAGTGGAGGTTCCAGCCACTGGTGCCAGCTGGAGTGAATAACAGCCAAATGAA
GAAGCGTCCAACTTCTGCGGTGGGCTACAAGAGACCTATCAGCCAGTATGCTCGGGTTGCCATGGCAATG
GGGTCCCATCCCAGATACAGAGCTGAAAATATAATGTTTTTGGAACTGGATGTGTCCCCACCGGCTATCT
TTGAGATGGAGTTTTCTCATGACCAAGAGCAAGACCCACGGGTACTACACATGGAGAGGCTCATGAGGTT
GGACAGCTTTCTGGAAAGACCGTCCACAACTAAAGTGCGAAAGTCGAGATCCTGGTGCCAGAGTCCTCAG
CGGATGCCTCCACCCTCCACAGCTCATGCATCCATGACCTCTGTTCCTTTGCACCCTGCAACAGTGGTAG
ACCATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

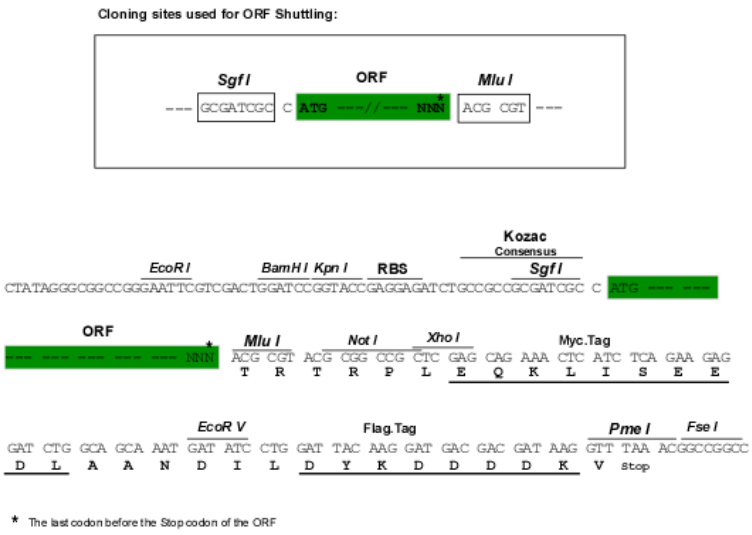
>MR216335 protein sequence
Red=Cloning site Green=Tags(s)

MASKTKASEALKVVARCRPLSRKEEAAGHEQILTMDVKLGQVTLRNPRAAPGELPKTFTFDAVYDASSKQ
ADLYDETVRPLIDSVLQGFNGTVFAYGQTGTGKTYTMQGTWVEPELRGVIPNAFEHIFTHISRSQNQQYL
VRASYLEIYQEEIRDLLSKEPGKRLELKENPETGVYIKDLSSFVTKNVKEIEHVMNLGNQARAVGSTHMN
EVSSRSHAIFVITVECSERGSDGQDHIRVGKLNLVDLAGSERQNKAGPNAAGGPATQPTAGGGSGSGSAS
GSASSGERPKEASKINLSLSALGNVIAALAGNRSTHIPYRDSKLTRLLQDSLGGNAKTIMVATLGPASHS
YDESLSTLRFANRAKNIKNKPRVNEDPKDTLLREFQEEIARLKAQLEKKGMLGKRPRRKSSRRKKAVSAP
AGYPEGSVIEAWVAEEEDDNNNNHHPPQPILEAALEKNMENYLQDQKERLEEEKAAIQDDRSLVSEEKQK
LLEEKEKMLEDLRREQQATELLAAKYKAMESKLLIGGRNIMDHTNEQQKMLELKRQEIAEQKRREREMQQ
EMLLRDEETMELRGTYSSLQQEVEVKTKKLKKLYAKLQAVKAEIQDQHEEYIRVRQDLEEAQNEQTRELK
LKYLIIENFIPPEEKNKIMNRLFLDCEEEQWRFQPLVPAGVNNSQMKKRPTSAVGYKRPISQYARVAMAM
GSHPRYRAENIMFLELDVSPPAIFEMEFSHDQEQDPRVLHMERLMRLDSFLERPSTTKVRKSRSWCQSPQ
RMPPPSTAHASMTSVPLHPATVVDHD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008445

ORF Size: 2391 bp

OTI Disclaimer: 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_008445.2, NP_032471.2

RefSeq Size: 6849 bp

RefSeq ORF: 2391 bp

Locus ID: 16570

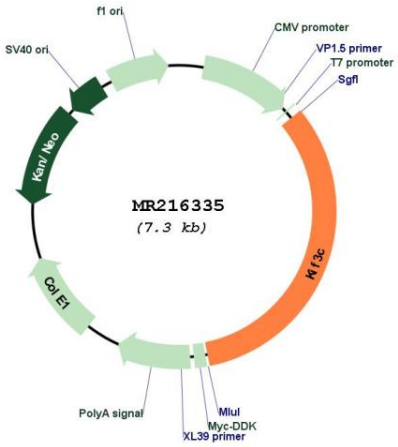
UniProt ID: O35066

Cytogenetics: 12 1.77 cM

MW: 90 kDa

Gene Summary: Microtubule-based anterograde translocator for membranous organelles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216335