

Product datasheet for **RC216137**

KIF3C (NM_002254) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | KIF3C (NM_002254) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | KIF3C |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC216137 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGTAAGACCAAGGCCAGCGAGGCCCTCAAGTGGTGGCCCGGTGCCGCCCTCAGCAGGAAGG
 AGGAGGCTGCTGGTCACGAGCAGATCCTGACCATGGACGTGAAACTGGGCCAGGTGACCCTGCGGAACCC
 CCGCGCTGCCCGGGGAGCTGCCAAGACCTTCACTTTGACGCGGTGTATGATGCCAGCTCCAAGCAG
 GCCGACCTGTATGACGAAACCGTGAAGGCCCTGATAGACTCCGTGCTCCAGGTTTCAATGGCACGGTGT
 TTGCTATGGCCAGACGGGCACTGGCAAGACCTATACCATGCAGGGGACCTGGGTGGAGCCCGAGCTGCG
 CGGGTTCATCCCAGTGCCTTTGAGCACATCTTCAACCCACATCTCCCGCTCCAGAACCAACAGTACCTG
 GTCGGGCTCCTATTTGGAGATCTACCAGGAAGAGATTCGAGACCTGCTCTCCAAGGAGCCGGGAAGA
 GGCTAGAGCTGAAAGAGAACCCGAGACTGGCGTCTACATCAAGGACCTCTCCTCCTTCGTACCAAGAA
 TGTCAGGAGATTGAGCATGTGATGAACCTGGGAACAGACCCGGGCTGTGGGCAGCACCCACATGAAT
 GAGGTCAGCTCCCGCTCCCATGCCATCTTCATCATCACTGTGGAGTGCAGCGAACGTGGCTCTGATGGCC
 AGGACCACATCCGAGTGGCAAGCTCAACCTCGTGGACCTGGCTGGCAGCGAGAGGCAGAACAAGGCAGG
 CCCCAACACAGCGGGAGGGGAGCCACACCATCCTCGGGTGGCGGTGGTGGCGGTGGAGGAGTGGTGGT
 GGTGCTGGTGGAGAGAGGCCCTAAGGAAGCTCCAAAATCAACCTCTCATTATCTGCCCTGGGCAACGTGA
 TTGCTGCCCTGGCGGGAACAGGAGCACCCACATTCCTACCGGGACTCCAAGCTGACCCGGCTGCTCCA
 GGACTCCCTGGGGGGAATGCCAAGACCATCATGGTAGCCACACTGGGGCCAGCTTCTCACAGCTACGAT
 GAGAGCCTCTCCACCTTTCGCTTTGCCAACCGAGCCAAGAATCAAGAACAAGCCCGGTGAACGAGG
 ACCCAAGGACACACTGCTGCGGGAATCCAAGAGGAGATTGCCCGCTGAAGGCCAGCTGGAGAAGAG
 GGGGATGCTGGGAAGCGGCCCGGAGGAAGAGCAGCCGAGGAAGAAGGCCGTGTCGCCCCGCTGGG
 TACCCTGAGGGCCAGTATTGAGGCTGGGTGGCAGAAGAGGAGGATGACAACAACAACACCACCGCC
 CGCCCCAGCCATCCTGGAGTCAGCCTTGAGAGAACAATGGAGAATTACCTGCAGGAACAGAAGGAGCG
 GCTGGAGGAGGAGAAGGCAGCCATCCAGGATGACCGCAGCCTGGTGGAGGAGGAGAAGCAGAAGCTGCTG
 GAGGAGAAGGAGAAGATGCTGGAGGACCTGCGCGGGAACAGCAGGCCACAGAGCTGCTTGGCCCAAGT
 ACAAGGCCATGGAGAGCAAGCTCCTCATCGGGGAGGAACATCATGGATCACACCAACGAACAGCAGAA
 GATGTTGGAAGTGAAGAGGCAGGAGATTGCCGAGCAGAAACGTCGTGAGCGGGAGATGCAGCAGGAGATG
 ATGCTCCGGGACGAGGAGACTATGGAGCTCCGGGGCACCTACACATCCCTGCAGCAGGAGGTGGAGGTCA
 AAACCAAGAAACTCAAGAAGCTCTACGCCAAGCTGCAGGCGGTGAAGGCGGAGATCCAGGACCAGCATGA
 TGAGTACATCCCGTGGCGCAGGACCTGGAGGAGGCGCAGAACGAGCAGACCCGGAACCTCAAGTCAAG
 TACCTAATCATCGAGAACTTCACTCCCGCCGGAGGAGAAGAACAAGATCATGAACCGGCTTTTCTGGACT
 GTGAGGAGGAGCAGTGGAAAGTCCAGCCACTGGTGCCAGCCGGCGTCAGTAGCAGCCAGATGAAGAAGCG
 GCCAACATCTGCAGTGGGCTACAAGAGGCTATCAGCCAGTATGCTCGGGTTGCCATGGCAATGGGGTCC
 CACCCAGGTACAGGGCTGAAAACATAATGTTTCTGGAGTTGGATGTGTCCCCTCCAGCTGTCTTTGAGA
 TGAATTCTCTCAGCACAAGAACAAGACCCTCGTGCCTACACATGGAGAGGCTCATGCGATTGGACAG
 CTTTCTGGAAAGACCTTCCACGTCTAAAGTCCGAAAGTCCAGATCCTGGTGCCAGAGTCTCAGCGGCT
 CCACCTTCCACCACATGCCTCCCTGGCTCTGCTTCTGCGCCCTGCAACAGTGGCGGACCATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216137 protein sequence
Red=Cloning site Green=Tags(s)

MASKTKASEALKVVARCRPLSRKEEAAGHEQILTMDVKLGQVTLRNPRAAPGELPKTFTFFDAVYDASSKQ
ADLYDETVRPLIDSVLQGFNGTVFAYGQTGTGKTYTMQGTWVEPELRGVIPNAFEHIFTHISRSQNQQYL
VRASYLEIYQEEIRDLLSKEPGKRLELKENPETGVYIKDLSSFVTKNVKEIEHVMNLGNQTRAVGSTHMN
EVSSRSHAFIITVECSERGSQGDHIRVQKLNLDLAGSERQNKAGPNTAGGAATPSSGGGGGGGGGGGG
GAGGERPKEASKINLSLALGNVIAALAGNRSTHIPPYRDSKLRLLQDSLGGNAKTIMVATLGPASHSYD
ESLSTLRFANRAKNIKKNKPRVNEDPKDTLLREFQEEIARLKAQLEKRGMLGKRPRRKSRRKKAVSAPP
YPEGPVIEAWVAEEEDNNNNHRPPQPILESALAKNENYEQEQRLEEEKAAIQDDRSLVSEEKQKLL
EEKEKMLEDLRREQQATELLAAKYKAMESKLLIGGRNIMDHTNEQQKMLELKRQIEAEQKRREEMQEM
MLRDEETMELRGTYTSLQQEVEVKTKLKLKLYAKLQAVKAEIQDQHDEYIRVRQDLEEAQNEQTRELKLL
YLIIENFIPPEEKKNIMNRLFLDCEEEQWKFQPLVPAGVSSQMKKRPTSAVGYKRPIISQYARVAMAMGS
HPRYRAENIMFLELDVSPPAVFEMEFSHDQEQDPRALHMERLMRLDSFLERPSTSKVRKSRWCQSPQRP
PPSTTHASLASASLRPATVADHE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6608_f11.zip

Restriction Sites: Sgfl-Mlul

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_002254.8](#)

RefSeq Size: 5431 bp

RefSeq ORF: 2382 bp

Locus ID: 3797

UniProt ID: [O14782](#)

Cytogenetics: 2p23.3

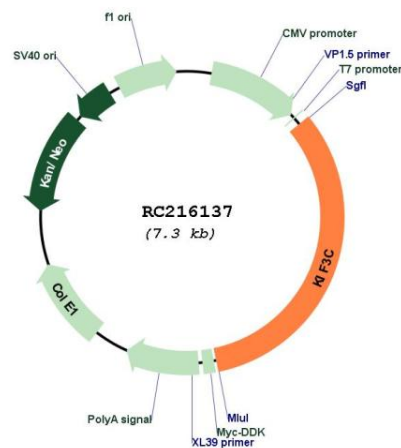
Domains: kinesin

Protein Families: Druggable Genome

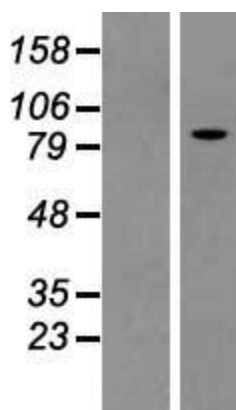
MW: 89.5 kDa

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

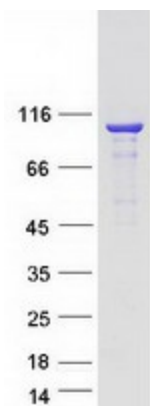
Product images:



Circular map for RC216137



Western blot validation of overexpression lysate (Cat# [LY419419]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216137 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KIF3C protein (Cat# [TP316137]). The protein was produced from HEK293T cells transfected with KIF3C cDNA clone (Cat# RC216137) using MegaTran 2.0 (Cat# [TT210002]).