

Product datasheet for **RG205724**

KIFC2 (NM_145754) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIFC2 (NM_145754) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIFC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG205724 representing NM_145754
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACGCCTTTTACTCGTTGCTCATCTACATCTTCTACAGCCTCTTCCGCAGGGATGGTGGCGCCGCGG
 CGGCCGCGGAGCCCGGGGACCCGCCAGAGAGCCGCAAGCCCGGGGTCGCCGCGCCAGACCTGCC
 CGCGCCAGAGCTGTGGACCGAGCTGACCGGCTGGCCGCCAGCTCCGAGCCTGAGGATGGTTCGGAAGGC
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 TCCAGCTGGGGGCGGAAGAGAGCTGCGGGGGCCCGCGGACCTGGGCCAGTCTGGCGAGGTCCTCTCACT
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 TGGCAGTCTCCATGCCCAGTCCCGACACGGCTCGGGCTCGGCTCTCGCGCCCGCAGAGGGCTGCC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

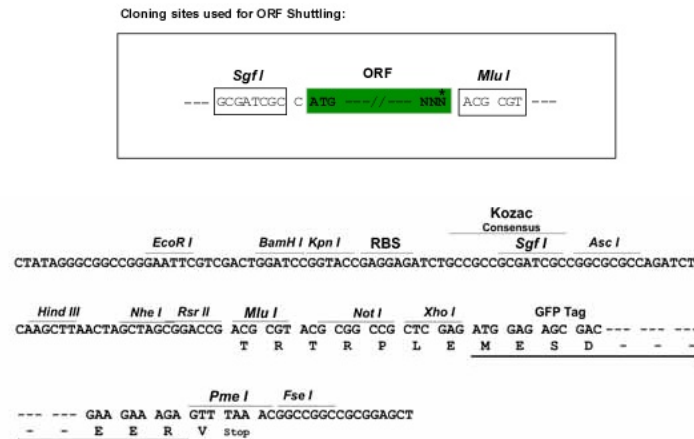
Protein Sequence: >RG205724 representing NM_145754
 Red=Cloning site Green=Tags(s)

MYAFYSLLIYIFYSLFRRDGGAAAAEPGDPAQRARKPRGRRRPDLPAPELWTELTGLAASSEPEDGSEG
 AAEGRAAAVSLEEALLRLAEFLSVQLGAEESCGGPADLGQSGEVPSSLTVTSQLLALLAWLRSPRGRQAL
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 GRLQEAQDTEALRAQLGVQEVQLQGLQALQQLQQETEQNCRRELQQMHHQLAGLRARMASLRQCGDL
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 SSSLVSVEPGPGTVTTCYRGRHRRFRDWFPPDASQEEVFRELEPAVLSCLRGYSVCIFTYGTGTGK
 TYSMEGPPDPGIVPRALQSLFREMAGRQHRVTL SMVEIYNEAVRDLLAPGPPERLAVRQGPEGQGGIQ
 VAGLTHWDVPLETLHQLMLKGRSNRATAATAMNQRSSRSHALVTLTRAASPPRAPGTAGTLHLVDLAG
 SERARKAGAAGPPRGDPDGARRLREAQTINRSLALGGVMAALRAHRPHVPFRDSQLTRLLQPALGPGTT
 AVLLLQVGAGAGQVCACRSPPTARPPAPLARRSPRGRRISGRQSAPSSSPTWVKWSWGQPGAAGSRAP
 PGRLLPSAPTLRSPGPPAPLRRPLAVLHAPVPTTARARLSRPQRACPSPPGSRPCPWGLRPGLCWQRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145754

ORF Size: 2514 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_145754.2](#), [NP_665697.1](#)

RefSeq Size: 3309 bp

RefSeq ORF: 2517 bp

Locus ID: 90990

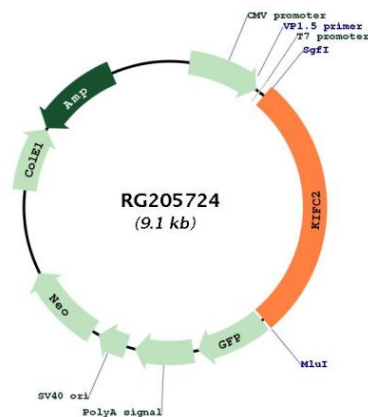
UniProt ID: [Q96AC6](#)

Cytogenetics: 8q24.3

Protein Families: Druggable Genome

Gene Summary: May play a role in microtubule-dependent retrograde axonal transport. May function as the motor for the transport of multivesicular body (MVB)-like organelles in dendrites (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205724