

Product datasheet for **RN211945**

Kif18a (NM_001137642) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif18a (NM_001137642) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif18a
Synonyms:	RGD1561740
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211945 representing NM_001137642
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAATGGATAGCTGAGGAAGCTGGCTTGGGTTGAATTTGTGGCTGTGTTGGAGCGCCTGGAAGCCA
 ACTCAGCCAAGTTGTTCGGGTCACCTTCTAGTATTTGCATATGGTGCCACTGGATCTGGGAAGACTCACAC
 AATGCTGGGATCAACTGCTGAACCCGGGTCATGTACCTAACAAATGCTGGACCTTTTCAAATGCATGGAT
 GAGGTTAAAGACGAGAAAGAGTGTAGTACTGCAGTCTCTTATCTGGAGGTATATAATGAACAGATTCGTG
 ACCTCTTGACAAACTCAGGGCCACTTGTGTCCGGGAAGATGCCCAAAAAGGAGTGGTTGTTCCAGGCTCT
 TACTCTACACCAGCCTAAATCTCAGAGGAAATATTGCAGCTACTAGACAATGGAACAAAAACAGGACG
 CAGCATCCACTGACATGAATGCTGCGTCTTCTCGTTCTCATGCTGTTTTCCAGATTTATTTACGACAAC
 AGGACAAAACAGCAAGCATCAATCAAAATGTCCATATAGCCAAAATGTCCTCATTGACCTCGCAGGATC
 TGAGCGGGCCAGTATTTCTGGTACTAAAGGGACAAGATTTGTAGAAGGCACAAATATTAACAAATCTCTT
 CTAGCTCTTGGGAATGTCATCAATGCCTTAGCAGATACAAAGAGAAGAAATCAGCATATTCCTTACAGAA
 ATAGTAAACTTACTCGTTTGGCTGAAGGATTCTCTTGGAGGAAACTGTCAAATAATGATAGCTGCTGT
 TAGTCCTTCTCTTTATTCTACGATGACACATATAACTCTTAAAGTACGCAAAATCGTGCCAAAAGACATT
 AAGTCTTCTCAGTTGAAGAGCAATGTTGTCAACCTCAGTAGTCACATATCACAGTATGTAAGATCTGCA
 ACATGCAGAAGGCAGAGATTTTAAATGTTGAAAGAGAACTAAAGGCCTATGAAGGACAGAAAAGCTCTGAC
 TGACAGAAATGACTGTGCTAAATTAGTACATTCAAACGTGGAGGACAAAGAGATTGAAAGATTTCAAGAA
 ATCTGAACTGCTTGTTCAGAAATCGAGAAGGAATGAGGCAAGAATATCTGAAGGTAGAAATGTTACTTA
 AAAAAATGAACTAAAGTCATCCTATCATCAACAGTGCCATAAGCAAATAGAAATGATGTTCTGAGGA
 CAAATTTGAAAAGGCCACTTGCAGACGAGATCACAGACTTGAAAAGTTGAAAAGCAACCGCTGTGTGCTA
 GAGAAAAAGAAAAGAGATGTTGAAACAGTTTGTGAAAATACTAATTGGCTACATCGAGTGGAAGTG
 AAATGCGACTCTTAGGTCAAATGGTGATATCCCGAGGGACTCAATAAAGATCTTCATTGTCACCATTT
 ACACCTCCAAAACAAAGACCTGAAAACACAAATGGGACACATGATGACTCTGGCTGCTCTCCAGGAGCAG
 CAGCATGGGCAGACTGAAGCAGTACTGAATGCTTTGCTCCAGTCTAAGAAAACAGTATTGGAGATTGA
 AAGAAACCGCCGTCAAACGCTGCTTTTGATTCTGACTTCAAAGATATTGAACATTTAGTAGAGAGAAA
 AAAGGTAGTGGCTTGGGCTGACCAAACCTGCTGAACATTCAAACCAAGTATGTTCTGGTACTTCTCTT
 CTTATGACCTTCCACAGCTTGGACCAATTCAGTCTATTCCTTGTGCTCATCCATGAGTGACCCTAGCA
 TACTTAAGATTACTCCACAAAGAAGAACCAAAAAGAAAATTAATACCTTCTCCATTGAAAAGTAAAACATAC
 TCAGAAGTCTGCACTGTCTGAAAGGACACAGCTTAATGATTCTTTTAGCAAGAAGCTTCAGCCTATTGTT
 TACACCCAGAGGACAGCAGAAGAACTGTTTCAGGACCTCTCTCCACCCTTAGCAAGAGCGTCTCACATT
 CTGCAAAATGGAATGAATGATAATTCCTGAAAGCACTGTGTAGAACAGAAATCTCCTCTCAGCAGAACCGA
 GTGTAAGAGGGTTTGTACTCTACATCTGCTATATGTGATGGTATCAAAGCTTGAAAAATAATTTGCCT
 GAACCACTACCGAGCAGCAAAAGCACTTACACAGGGTGGAGTCTTCTCATTCCAACGAAGGATTCTA
 GGTCTGTATCAACAAGTGTGCCATCCTACATGGCGATGACCACTGCTGCAAAGAGGAAGTGGAAATTCAT
 GAGTTCTACATCAGATGCTTCATTAATACTGATGAAAGTTGTGGACTTGCCAAACGCATTCGACAGGAT
 AATTCAAGTGTTAAGCTCATCCGAGAAAACAGACTGAGAGTGGGCTATAAAAAAACCAACCAAAAAACAA
 ATTCAAACATGCTTAGAAAATTTAGAAGAACTTCAAAGAAAATGTACAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001137642
Insert Size: 2436 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001137642.1</u> , <u>NP_001131114.1</u>
RefSeq Size:	3001 bp
RefSeq ORF:	2436 bp
Locus ID:	362186
Cytogenetics:	3q34