

Product datasheet for MC224383

Kif27 (NM_175214) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif27 (NM_175214) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kif27
Synonyms: 4930517118Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224383 representing NM_175214
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAAGAAATACCAATAAAAGTGGCTGTCCGAATCAGACCTCTGCTCTGCAAAGAAGTTCTACATAATC
 ATCAAGTCTGTGAGGGATATCCGAATACCCAGCAGATTATCATTGGGAGAGATAGAGTTTTCACTTT
 TGATTTTGTGGCAAACTCCACTCAGGATGAAGTTTATAACACATGCATAAAGCCCTAGTGCTG
 TCGCTCATCGAGGGCTATAATGCAACTGTTTTGCATATGGACAACTGGATCTGGGAAAACATACCA
 TCGGAGGAGGCCATGTTGCATCAGTTGTGGAGGGTCAAAGGGTATCATTCTCGAGCTATCCAAGAAAT
 ATTTAGAGCATCTCTGAAAATCCTAGCATTGACTTTAAAATCAAAGTGTGATATAGAAGTTTATAAG
 GAAGACCTAAGAGATCTTAGAGTTGGAGACGCTATGAAGGACCTTACATCCGAGAAGATGAGAAGG
 GGAACACAGTGATTGTTGGGCCAAGGAATGCCAAGTAGAGAGCGTGGAGGATGTGATGAGTCTCCTGCA
 GGTAGGGAATGCGGCCAGGCACAGGCACCACCAGATGAACGAGCACTCCAGTAGATCCCACGCTATT
 TTCACAATAAGTGTGCCAAGTTGAGAAAAACGAGAGGCAGCTGAAAACGGAGAGTGGTACTCACATC
 GGCATATTGTCTCAAATTCACCTTTGTGATTTGGCTGGATCAGAAAAGAGTGACCAAGACTGGGAAC
 TGGTGAACGATTCAAAGAGTCCATTCAAATCAACAGCGGGCTGCTTCTAGGAAACGTAATAAGCGCC
 CTTGGAGACCCACGCAGGAAGAGCTCTCATATTCATACAGGGATGCTAAGATTACCCGGCTTCTGAAAG
 ACTCCCTGGTGGCAGTGCCAAGACTGTCATGATCACGTGTGTCAGCCCGTCTCCTCGGATTTTGTGA
 GTCCTTAAATTCTCAAATATGCGAACAGAGCACGGAATATTAGAAAACAACTGCTTTAAACATAAGT
 CCCCAGGCAGACCGAATGGATGAAATGGAATTTGAGATTAAGTTGCTTCGAGAAGCTTTCAGAGCCATC
 AGGCCAGTATCAGCAAGCTAGCCAGGCATCTCAGAGAATGTTCTGACCAGAATCGAATCCATTCTCT
 GGAGAACAGGTAGCTCAGCTCCAGGAGGAATGTCTGGGTACCAGGACTGCATAGAGCAAGCATTGGCC
 TTTCTGGTGGACTTAAAAGATGCTGTCAAATAAATCAGAAACAGCAGCACAAGCTACAGGAGTGGTTTA
 GCAGGACTCAGGAAGTCAGGAAGGCTGTCTCACCCATTGCCTGGAAACAGGGCATTGGGAACCTGGA
 AGAAGGACCCAGCATCTGACAGTTCTCAGCTGAAGAGAGAAGTAAAGAAATACCAAGTGTGCTCTGGCC
 GCCGACCAAGTGGTGTTCACGCAGAAGGATCTGGAGCTGGAGGAGCTAAGGACCAAGTGCAGCTAATGA



TGCAGGAGAGCAAAGGGCATGCCGTGTCTCTGAAAGAAGCCAGAAAAGTGAATAGATTGCAGAATGAGAA
 GATAATAGAACAGCAACTCCTTGTGGATCAGCTGAGCGCAGAAGCTCGAAAAACGCAGCTTGTGAGTCC
 ACCTCAGCTAAGGAGAGCTGTGGGGATGGGCTGATGCCAGGGCCTCAGAAAAGAGACCTCATACGGCTC
 CATTGAGAGTCACTGGGACACTATGTTTACATCCCATCAAGACAGGATTTCAAGAAGGTCTGCTCAAG
 TACTCTGTATACTCTCTGGATCAAGTATTCGCTGGGTTGAGAACTCGAAGTCAGATGCTGATGGGTCAC
 TTAGAAGACCAGGACGAAGTTCTCCACTGCCAGTTTTCTGACAACAGTGATGATGAGGACTCAGAGGGCC
 AGGAGAAGCCAGAGTTAGATCTAGAAGTCACTCATGGGCCAAAAAGCCAGGCTCTGTTTGTCTCTTGT
 TGAAGTGAAGTACTCAGGCTGAGTCTCAGAGATCCTATCTGGGAATGGAGATTTGAAGATGGAATCT
 CTCAGGAGAGTCAAGAGATAAATTTACAAAAATTAAGGACTTCAGAACTCATACTTAATAAAGCTAAAC
 AAAAAATGAGAGAACTTACAATTAACATCAGGATGAAAGAAGATCTGATCAAAGAGTTAATAAAAAACAGG
 TAACAATGCCAAGTCTGTAAAGCAGACAGTATTCTTTGAAAGTGACAAAGCTGGAGCATGAAGCTGAGCAG
 GCAAAAGTGGAGCTCACTGAAACCCGAAAGCAACTGCAGGAGCTGGAGAGCAAAGACCTTTCTGATGTTG
 CTTTGAAGGTAATACAGAAAGATTCCGTAAGAAAGATGGATGCTGCGAAGATGAGAGTTCAGGTCTT
 AAAAAAGAACGAGCAAGACAGTAAGAAGTTGGCATCACTGTCCATCCAGAATGAAAAGCGGGCCAGTGAG
 CTGGAGCACAATGTGGATCACCTGAAATACCAGAAAGTGCAGCTGCAGAGACGGCTTCGAGAAGAGGGCG
 AGAAGAAGAAGCAGCTGGATGCAGAAATTAAGAGAGATCAACAAAAAATCAAAGAGCTGCAGCTAAAAGC
 AGGACAGGGAGAAGGTCTGAACCCCAAGGCTGAGGACCAGGATGGATTTAACCTGAACAGAAAGAAAAAGT
 CCTTTCAGAAAGTGGGACCAATTCAGAAATGGATGAGCAAAGGAAGTGGTTGGATGAAGAGGTGGAGA
 AGGTCCTGAGCCAGCGCCAGGAACTGGAATGCTGGAGGAAGATCTGAAGAAACGTGAGGCCATCGTCTC
 GAAGAAGGAAGCCCTGCTCAGGAGAAGAGCCTCCTGGAAAACAAGAAGCTGCGATCTAGCCAGGCTTA
 AGCACAGATGGTCTAAAATATCGGCTCGCCTGAACTTGCTGGACCAAGAGTTATCTGAGAAGAGCTTGC
 AGCTTGAGAGCAGCCGACTGAGGAGAAGATGAAGATTTGAGAACAGTCCAAGCGCTTCAGAGAGAAAAG
 GGATCAGCTCCAGAGACAGAGGAACAGTGTGGACGAGAGGCTCAAGCATGGGCGAGTGTCCCCAAA
 GAAGAACATCTTCTTTTCAACTGGAAGAAGGAATAGAAGCCCTGGAAGCTGCGATTGAATTCAGAAGC
 AAAGCATCCAGAGTCGCCAGAACTCACTCAAGGCGTCATTCCAGAACCTCTCTCAAAGTGAAGCGAATGT
 TCTGAAAAGCTAGTTTGCCTGAATATTACTGAGATTCGAGCTATTCTTTTCAAATATTTCAACAAGGTA
 ATTAATTTGCGAGAAACGGAACGTAACAACAGTTGCAGAATAAAGAGATGAAAATGAAGTTCTAGAAC
 GGGATAATGTGGTCCATGAGTTGGAATCTGCGTTGGAGCATCTGAGACTGCAGTGTGACCGGAGACTGAC
 CCTCCAGCAAAGGAGCATGAGCAGAAGATGCAGCTGCTGTTGCAGCATTTCAAAGACCAAGATGGAGAC
 AGCATTATAGAAACACTAAAAACTATGAAGATAAAATCCAGCAGCTGAAAAGGATCTCTACTTCTATA
 AGAAAACCAGCAGAGATCTCAAGAAGAGACTGAAAGACCCCGCCAAAGGAGCAGCGCAGTGGCAGCGCAC
 ACTGACCGAGCATCATGATGCTGGAGATGGAGTTCTGAATCCAGAAGAGACGACTGTGCTTCTGAAGAA
 CTAATATGGGCATCTAGAACTGAAAATCAAAAGTTGAATGGAAGCGAAAAGAGAAGTAGACAATTTCTCAA
 GCAGCTTAAAAACCAACCACTGACCCAGCAGATTCCAGAAGATGGCCCAGACTCACTTCCAGCCCGTAG
 CTCGATAGCGCCCTCCAGTGGCCAACTGCAGAGCATTGCCGATAAAACAGAGGGCCCGTCCCTTTACACAC
 TCTCAGAGTCCAGTACCACACAGTTCAGCCTGTGAGAAGTATAGGACCGCTTCAGGGGTCAAGCCTG
 TCAAATGTGTGCGAGAGAATTACGTGAGATTTCTGCCATGGAGCTGTATTGCGGCGATGCAGTCTTGG
 AGCTGGGGCCGGTCAATGACTGCTGATCCCTTGAAGACCCGAAGAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_175214

Insert Size:

4185 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:	NM_175214.3 , NP_780423.2
RefSeq Size:	4462 bp
RefSeq ORF:	4185 bp
Locus ID:	75050
UniProt ID:	Q7M6Z4
Cytogenetics:	13 B1
Gene Summary:	Plays an essential role in motile ciliogenesis.[UniProtKB/Swiss-Prot Function]