

Product datasheet for **RN217428**

Kif28p (NM_001270385) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif28p (NM_001270385) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif28p
Synonyms:	KLP6; RGD1559696
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217428 representing NM_001270385 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGATTGTGAGAAAATGGGAAATTGCCTGTGCCGAGAACGGACAGTGTAAAGAGTGGCCGTGCGGGTGC
GGCCGTTTCAGCCAGAGAGAAAAGAACTCTGGAAGCCAGTGCCTGATTTCCATGCACGCCCAAGCATCAC
CATCCGGGACCCTAAGGATGCAGAGCTTGTGAAGACCTTTACCTTTGACCTCGCATATTGGTCTCATGAT
GGGTTTCAAAGGATGAAGACGGTGTCTTATCCCATCCGATCCACAGTAAATTCGACAGCCAGAGCG
ATGTCTTCCACGATATCGGAAGGGGAATTCTAGACAGTGCCTGGCAAGGCTACAATGCTACTCTCCTGGC
CTACGGCCAGACGGGCTCTGAAAAAGCTACTCCATGATTGGCTACGGCGCAAACAAGGGTATTATTCCA
AGAGTCTGTGAAGAGCTCTTCAAGCTATTGAGAAGCAAAAGGAGAGTCTAGAAGCCAGGTCTATGTTTA
GCATGCTGGAGATCTACAACGAACAGATCAGGGATTTGCTGTGCGGAACCAAGCTCCCGGAGGGTTAAG
AGTCAGGGAGGATCAACGGCTGGGGTTTTTGTGGAAGGTCTGAAGTGGGTGCCCTGTGAGGATTCTGTA
CAAATTGAGAAGCTGGTGGAGCAAGGATCAAAATCAGGATGACAGCGTCCACCAACATGAACGCCAGCA
GCAGCCGGTCCCATGCTAATCGCCATCCGGTTCAAGCAGGTTTTCTGGACACAGCTCTACCAAACA
ATCCAGCATCAACATGGTGGACTTGGCAGGGAGCGAGAGGCAGAGATCATCAGGGTCTGAAGGAGACCGT
CTGAGGGAAGGATCAAGGGTCAATTTAAGCCTAACCAATTTAGGGAACGTCATCAGTGCTCTGGCTGACT
TGGCCATGGGGAAGAAAGTTCTGCATATTCCTACAGGGATTCTGTTCTGACCAAACTGCTCCAGTCAGC
TCTGGGTGGAACAGCCGACAACACTGATTGCAGCCCTAAGTCCCGTGACATCTGCTACGAGGAGACC
TTGTGACGCTGAGATATGCGGAGAGGGCTAAGAAGGTTTCGGAACAGAGCTGTAATCAACACCTGTCCAC
TGGTGAGAGCGTCCAGGGCTGAGAATGCTCTGCTGCTTGGATTGCGGGGTGCTGGAGCAGCAGAGCACTC
AGCCTGTTTCTGGGCAGAACAGCAACTGGGGACTTGGGGAACCTGGGCCAGCTGCTGGAGCAGGACCGG
AGAGAGTGGGAGCAACAGTACATGGCTCTCGACAGGAACAGCAGATGGTAAAGATTCTCCACACCTTC
TCAATGTCAATGAAGACCCACAGCTGACGGGGTCTCAAATTTCTTATTCAATAGGCTCTGTGAGGT
TGGTCGGGCTGCTTCAAACGCCATCTGTCTTCAAAGCCTGGGCATTTAGATAAGCATGCTTCTTCACG



[View online »](#)

AACATGGATGGTAAAGTGACGGTCGCTCCACACATCACGGGCAAAGTCATTGTCAATGGGGTACCTGTCA
GCAGCAGGACAAAGCTGCAGCATTTGGACCGCATCATCTTGGGATCCAACAGTGCCTTCTCTACATTGG
GTTTCCCTCAGAGCGAGGTGCTGAGGACCTGGGCAGATTCGACTATGACTTTTTCCAGATGGAGAGGGCA
GCTGCCGAGGGAGTGAGTGTGGACATGCTTGGTACGGCGAGCCCTGGAGATGACCAAGCCGACCCAGCA
TCTTAGCTGTGTTCCAGGACTACATCAAACCTCATGCCGCTAGTTGTGGAAGCAAATCAGATGAGTGAGGA
GTTGAAGAAGGGCTTAAATGGAAGTGAAGGTGAAGAATTTAGCATCGTCAGATTCCAGGGGCTGTGAC
CTCCAGAAAGAGGTGATGGTGAAGGTGACCAACAAGGGACTCATGAGGTATGGATTTGGTCAAAAGCCA
AGTTCATCAACAGAAAATTCCTCATGGAGGAACCTTACCAGCGTTTCTAGAGAGCAGAGACAGCCACGT
GGCTCAGGAAGATGACCCCTTCTGGGACCTGTGGAGGTCCTTCACTTGGGCTCAGCACATGTCTGGCTG
CAGTCCCTGGCTCACCAGCATGATGCTGGAGGAGCAGGTGGAATTCCTCAACTGCGAAGGGCTGGAGGAGG
CAGTGTGTCACATTCAAATAACCCCTGCTCCCCAGAGGGATGGGCACACGGTGAGGAAGACACGGTTAT
TGACCCCTTGGAGCTACTGGGCAAGAGGATTGACTTCAGATTACATCGTCCAGTGCCTTGGTGTCAA
TGGCTAAAGAAGATGCAACCCGGGGCATTGAGTGGGGTACAAAGTTTATGATCTTCCGAATACTTTGT
ATACCAACCTGTGTGGCAAAGTGTGAATCCAGAGTTGAAGAGTCCGTCCTTTGCAGCCTTGGGTGT
GTCTCGAGAGTTTCTGAAGTACTTACTGACGAATGCCCTCGTTGTGGATTGTGGGGCTCCAAGAAGGC
TGTGCTCACTTGGGTGTCTCTCAGCCGGATGTCTGTTTACAGGGGAAGGCTACATCATGGTAGACACCA
AGACATTTTCCAGTGTGAAAGATATCACGTCCAACAGGTGCCAGAACTTATCAGAAGCTGCTCAAGTT
AGAGCAGGAGACGGAGCTGCTGAGAGATATTAACAGGGCCCTCAGAGGAGAGAACGTGTATCTCAAGGCT
GCACTAGAGAATGCTGGTTCTGCTCCACAGGGCGAGAGACGGTACCACAAGCCAGATAATCCAGAAGGAG
CTACAGTGACAGCTGCTGGAGAGGCTAAGCAAATGTGTGCTCAGCGAGCCAGCTCTGACTCACAGCTGGC
CAGAGCTCTGAAGGTGTTCTATGGAGGCATGAGTGTGGCCAGAGGACAGCTCCTCCGACTGAGGCAATGC
AGACCTCCCGAAGATGACCAAATGCTTCGGCCTTTTGTGCACAGCAGTCCAGATGCTAAAGGATTGG
AGGACCTGTTGGAATCCAGTTTACAGAAGTTAAATCTGATGTTGCTTTCATAGTGAAGAAGAAGAAAGA
GTATCTCCTGCCAGGGGACGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001270385
Insert Size:	3105 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001270385.1, NP_001257314.1</u>
RefSeq Size:	3105 bp
RefSeq ORF:	3105 bp
Locus ID:	289309
UniProt ID:	<u>F8WLE0</u>
Cytogenetics:	13q26
Gene Summary:	Microtubule-dependent motor protein required for mitochondrion morphology and transport of mitochondria in neuronal cells.[UniProtKB/Swiss-Prot Function]