

Product datasheet for RC214711

Kinectin 1 (KTN1) (NM_182926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kinectin 1 (KTN1) (NM_182926) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kinectin 1
Synonyms:	CG1; KNT; MU-RMS-40.19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214711 representing NM_182926 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTTTATGAGTCAGCATATTTTATTGTTCTTATTCCTTCAATAGTTATTACAGTAATTTTCCTCT
TCTTCTGGCTTTTCATGAAAGAAACATTATATGATGAAGTTCTTGCAAACAGAAAAGAGAACAAGCT
TATTCCTACAAAACAGATAAAAAGAAAGCAGAAAAGAAAAGAATAAAAAGAAAGAAATCCAGAATGGA
AACCTCCATGAATCCGACTCTGAGAGTGTACCTCGAGACTTTAAATTATCAGATGCTTTGGCAGTAGAAG
ATGATCAAGTTGCACCTGTTCCATTGAATGTCGTTGAACTTCAAGTAGTGTAGGAAAGAAAAAGAA
GAAAAGAAACAAGCCTGTGCTTGAAGAGCAGGTCATCAAAGAAAGTGACGCATCAAAGATTCCTGGC
AAAAAAGTAGAACCTGTCCAGTTACTAAACAGCCACCCTCCCTCTGAAGCAGCTGCCTCGAAGAAGA
AACCAGGGCAGAAGAAGTCTAAAAATGGAAGCGATGACCAGGATAAAAAGGTGGAAGTCTCATGGTACC
ATCAAAAAGGCAAGAAGCATTGCCCTCCACCAAGAGACTAAACAAGAAAGTGGATCAGGGAAGAAGAAA
GCTTCATCAAAGAAACAAGACAGAAAATGTCTTCGTAGATGAACCCCTTATTCATGCAACTACTTATA
TTCCTTTGATGGATAATGCTGACTCAAGTCCTGTGGTAGATAAGAGAGAGTTATTGATTTGCTTAAACC
TGACCAAGTAGAAGGGATCCAGAAATCTGGGACTAAAAAAGTGAAGACCGAAACTGACAAGAAAAATGCT
GAAGTGAAGTTTAAAGATTTTCTCTGTCCTTGAAGACTATGATGTTTTCTGAAGATGAGGCTCTTTGTG
TTGTAGACTTGCTAAAGGAGAAGTCTGGTGAATACAAGATGCTTAAAGAAGTCAAGTAAGGGAGAATT
GACTACGCTTATACATCAGCTTCAAGAAAAGGACAAGTTACTCGCTGCTGTGAAGGAAGATGCTGCTGCT
ACAAAGGATCGGTGAAGCAGTTAACCCAGGAAATGATGACAGAGAAAAGAAAGAAGCAATGTGGTTATAA
CAAGGATGAAAGATCGAATTGGAACATTAGAAAAGGAACATAATGTATTTCAAACAATAACATGTCAG
TTATCAAGAGACTCAACAGATGCAGATGAAGTTTCAGCAAGTTCGTGAGCAGATGGAGGCAGAGATAGCT
CACTTGAAGCAGGAAAAATGGTATACTGAGAGATGCAGTCAGCAACACTACAAATCAACTGAAAAGCAAGC
AGTCTGCAGAATAAATAAACTACGCCAGGATTATGCTAGGTTGGTGAATGAGCTGACTGAGAAAACAGG
AAAGCTACAGCAAGGGAAGTCCAAAAGAAGAATGCTGAGCAAGCAGCTACTCAGTTGAAGTTCAACTA



[View online »](#)

CAAGAAGCTGAGAGAAGGTGGGAAGAAGTTCAGAGCTACATCAGGAAGAGAACAGCGGAACATGAGGCAG
CACAGCAAGATTTACAGAGTAAATTTGTGGCCAAAGAAAATGAAGTACAGAGTCTGCATAGTAAGCTTAC
AGATACCTTGGTATCAAAAACAACAGTTGGAGCAAAAGACTAATGCAGTTAATGGAATCAGAGCAGAAAAGG
GTGAACAAAGAAGAGTCTCTACAAATGCAGGTTCCAGGATATTTTGGAGCAGAATGAGGCTTTGAAAGCTC
AAATTCAGCAGTCCATTCCCAGATAGCAGCCCAGACCTCCGCTTCAGTTCTAGCAGAAGAATTACATAA
AGTGATTGCAGAAAAGGATAAGCAGATAAAAACAGACTGAAGATTCTTTAGCAAGTGAACGTGATCGTTTA
ACAAGTAAAGAAGAGGAACTTAAGGATATACAGAATATGAATTTCTTATTTAAAAGCTGAAGTGCAGAAAT
TACAGGCCCTGGCAAATGAGCAGGCTGCTGCTGCACATGAATTGGAGAAGATGCAACAAAAGTGTATGT
TAAAGATGATAAAAATAAGATTGCTGGAAGAGCAACTACAACATGAAATTTCAAACAAAATGGAAGAATTT
AAGATTCTAAATGACCAAAAACAAGCATTAAAATCAGAAGTTCAGAAGCTACAGACTCTTGTCTTCTGAAC
AGCCTAATAAGGATGTTGTGGAACAAAATGGAAAATGCATTCAAGAAAAAGATGAGAAGTTAAAGACTGT
GGAAGAATTACTTGAACTGGACTTATTCAGGTGGCAACTAAAGAAGAGGAGCTGAATGCAATAAGAACA
GAAAATTCATCTCTGACAAAAGAAGTTCAGACTTAAAAGCTAAGCAAAATGATCAGGTTTCTTTTGCCT
CTCTAGTTGAAGAAGTAAAGAAAGTGATCCATGAGAAAGATGGAAGATCAAGTCTGTAGAAGAGCTTCT
GGAGGCAGAACTTCTCAAAGTTGCTAACAGGAGAAAAGTGTTCAGGATTTGAAACAGGAAATAAAGGCT
CTAAAAGAAGAAATAGGAAATGTCCAGCTTAAAAGGCTCAACAGTTATCTATCACTTCCAAAGTTCAGG
AGCTTCAGAACTTATTAAGGAAAAGAGGAACAGATGAATACCATGAAGGCTGTTTTGGAAGAGAAAGA
GAAAGACCTAGCCAATACAGGGAAGTGGTTACAGGATCTTCAAGAAGAAAATGAATCTTTAAAAGCACAT
GTTTCAGGAAGTAGCACAACATAACTTGAAGAGGCCTCTTCTGCATCACAGTTTGAAGAAGTTCAGATTG
TGTTGAAAGAAAAGGAAAATGAATTGAAGAGGTTAGAAGCCATGCTAAAAGAGAGGGAGAGTGATCTTTC
TAGCAAAACACAGCTGTTACAGGATGTACAAGATGAAAACAAATGTTTTAAGTCCCAAATGAGCAGCTT
AAACAACAAAACCTACCAACAGGCATCTTCTTTCCCTCATGAAGAATTATTAAGTAAATTTTCAGAAA
GAGAGAAAAGAAAATAGTGGTCTCTGGAATGAGTTAGATTCTTTGAAAGATGCAGTTGAACACCAGAGGAA
GAAAACAAATGACCTTCGGGAGAAAACCTGGGAAGCAATGGAAGCATTGGCATCAACTGAAAATAATGCTG
CAGGACAAAAGTGAACAAGACTTCCAAGGAAAGGCAGCAACAGGTGGAAGCTGTTGAGTTGGAGGCTAAAG
AAGTTCTCAAAAATATTTCCAAAGGTGTCTGTCCCTTCTAATTTGAGTTATGGTGAATGGTTGCATGG
ATTTGAAAAAAGGCAAAAAGATGTATGGCTGGAAGTTCAGGCTCAGAGGAGGTTAAGGTTCTAGAGCAC
AAGTTGAAAGAAGCTGATGAAATGCACACATTGTTACAGCTAGAGTGTGAAAAATACAAATCCGTCCTTG
CAGAAACAGAAGGAAATTTACAGAAGCTACAGAGAAGTGTGAGCAAGAAGAAAAATAATGGAAGTTAA
GGTCGATGAATCACACAAGACTATTAACAGATGCAGTCATCTTACATCTTCAGAACAAGAGCTAGAG
CGATTAAGAAGCGAAAATAGGATATTGAAAATCTGAGAAGAGAACGAGAACATTTGAAAATGGAAGTAA
AAAAGGCAGAGATGGAACGATCTACCTATGTTACAGAAGTACAGAGCTGAAAGATCTGTTGACTGAATT
GCAGAAAAAAGTGTGATGATTCATATTCTGAAGCAGTAAGACAGAATGAAGAGCTAAATTTGTTGAAGGCA
CAGTTAAATGAAACACTCACAAAACCTAGAACTGAACAAAATGAAAGACAGAAGGTAGCTGGTGATTTGC
ATAAGGCTCAACAGTCACTGGAGCTTATCCAGTCAAAAATAGTAAAAGCTGCTGGAGACTACTGTTAT
TGAAAATAGTGATGTTTCCCGAGAAACGGAGTCTTCTGAGAAGGAGACAATGTCTGTAAGTCTAAATCAG
ACTGTAACACAGTTACAGCAGTTGCTTCAGGCGGTAACCAACAGCTCACAAGGAGAAAAGAGCACTACC
AGGTGTTAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATGAGGTTTAA

Protein Sequence: >RC214711 representing NM_182926
Red=Cloning site Green=Tags(s)

```
MEFYESAYFIVLIPSIVITVIFLFFWLFMKETLYDEVLAQKREQLIPTKTDKKAEEKKKNKKEIQNG
NLHESDSESVPRDFKLSDALAVEDDQVAPVPLNVVETSSSVRERKKKEKKQKPVLEEQVIKESDASKIPG
KKVEVPVPTKQPTPPSEAAASKKKPGQKSKNGSDDQDKKVELMVPSCRQEALPLHQETKQESGSGKKK
ASSKKQKTENVFVDEPLIHATTYIPLMDNADSSPVVDKREVIDLLKPDQVEGIQKSGTKKLTETDKENA
EVKFKDFLLSLKTMFSEDEALCVVDLLKEKSGVIQDALKSSKGELTTLIHQLQEKDKLLAAVKEDAAA
TKDRCKQLTQEMTEKERSNVVITRMKDRIGTLEKEHNVFQNKIHVSYQETQQMQMKFQQVREQMEAEIA
HLKQENGILRDAYSNTTNQLESQSAELNKLKRDYARLVNELTEKTKLQQEEVQKNAEQAATQLKVQL
QEAERRWEEVQSYIRKRTAEHEAAQDLQSKFVAKENEVQSLHSLKDTLTVSKQQLQRLMQLMESEQKR
VNKEESLQMVDILEQNEALKAQIQFHQSIAAQTASVLAEEHLKVIKAEKDKQIKQTEDSLASERDRL
TSKEEELKDIQNMNFKLKAQVQLQALANEQAAAHELEKMQQSVYVVDKIRLLEEQLQHEISNKMEEF
KILNDQNKALKSEVQKLQTLVSEQPNKDVEQMEKCIQEKDEKLTVEELLETTGLIQVATKEEELNAIRT
ENSSLTKEVQDLKAKQNDQVSFASLVEELKKVIHEKDGKIKSVEELLEAEELLKVANKEKTVQDLKQEIKA
LKEEIGNVQLEKAQQLSITSKVQELQNLKGGKEEQMNTMKAVLEEKEDLANTGKWLQDLQEENESLKAH
VQVEAQNHLKEASSASQFEELEIVLKEKENELKRLKRAMLERESDLSSKTQLQDVQDENKLFKSQIEQL
KQQNYQQASSFPHEELLKVISEREKEISGLWNELESLKDAVEHQKKNNDLREKNWEAMEALASTEKML
QDKVNKTSKERQQVEAVELEAKEVLLKLPKVSVPSNLSYGEWLHGFEKKAKECMAGTSGSEEVKYLEH
KLKEADEMHTLLQLECEKYKSVLAETEGILQKLQRVSEQENKWKVKVDESHKTIKMQSSFTSSEQELE
RLRSENKDIENLRREHLEMELEKAEMERSTYVTEVRELKDLLTELQKLLDSDYSEAVRQNEELNLLKA
QLNETLTKLRTEQNERQKVAGDLHKAQQSLELIQSKIKAAGDTTVIENSDVSPETESSEKETMSVSLNQ
TVTQLQQLLQAVNQQLTKEKEHYQVLE
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8005_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



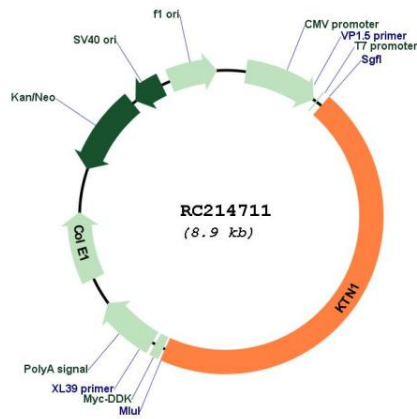
* The last codon before the Stop codon of the ORF

ACCN: NM_182926

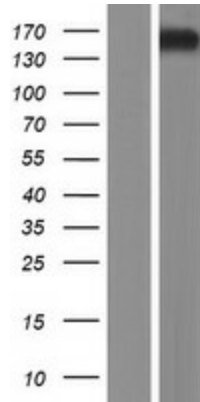
ORF Size: 4071 bp

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:	<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_182926.2 , NP_891556.1
RefSeq Size:	4816 bp
RefSeq ORF:	4073 bp
Locus ID:	3895
Cytogenetics:	14q22.3
Protein Families:	Druggable Genome, Transmembrane
MW:	156.1 kDa
Gene Summary:	This gene encodes an integral membrane protein that is a member of the kinectin protein family. The encoded protein is primarily localized to the endoplasmic reticulum membrane. This protein binds kinesin and may be involved in intracellular organelle motility. This protein also binds translation elongation factor-delta and may be involved in the assembly of the elongation factor-1 complex. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RC214711



Western blot validation of overexpression lysate (Cat# [LY421512]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC219832] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).