

## Product datasheet for SC315652

### Kinectin 1 (KTN1) (NM\_001079521) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kinectin 1 (KTN1) (NM_001079521) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>SC315652 representing NM_001079521. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTTTTATGAGTCAGCATATTTTATTGTTCTTATTCCCTCAATAGTTATTACAGTAATTTTCTC
TTCTTCTGGCTTTTCATGAAAGAAACATTATATGATGAAGTTCTTGCAAAACAGAAAAGAGAACAAAAG
CTTATTCTACAAAACAGATAAAAAGAAAGCAGAAAAGAAAAGAATAAAAAGAAAGAAATCCAGAAAT
GGAAACCTCCATGAATCCGACTCTGAGAGTGTACCTCGAGACTTAAATTATCAGATGCTTTGGCAGTA
GAAGATGATCAAGTTGCACCTGTTCCATTGAATGTCGTTGAAACTCAAGTAGTGTAGGAAAAGAAAA
AAGAAGGAAAAGAAACAAAAGCCTGTGCTTGAAGAGCAGGTCATCAAAGAAAGTGACGCATCAAAGATT
CCTGGCAAAAAGTAGAACCTGTCCAGTTACTAAACAGCCACCCTCCCTCTGAAGCAGCTGCCTCG
AAGAAGAAACCAGGGCAGAAGAAGTCTAAAAATGGAAGCGATGACCAGGATAAAAAGGTGAAAACCTC
ATGGTACCATCAAAAAGGCAAGAAGCATTGCCCTCCACCAAGAGACTAAACAAGAAAGTGGATCAGGG
AAGAAGAAAGCTTCATCAAGAAACAAAAGACAGAAAAATGTCTTCGTAGATGAACCCCTTATTATGCA
ACTACTTATATTCCTTTGATGGATAATGCTGACTCAAGTCCTGTGGTAGATAAGAGAGAGTTATTGAT
TTGCTTAAACCTGACCAAGTAGAAGGGATCCAGAAATCTGGGACTAAAAAAGTGAAGACCGAACTGAC
AAAGAAAATGCTGAAGTGAAGTTTAAAGATTTTCTTCTGCTTGAAGACTATGATGTTTTCTGAAGAT
GAGGCTCTTTGTGTTGTAGACTTGCTAAAGGAGAAGTCTGGTGTAAACAAGATGCTTTAAAGAAGTCA
AGTAAGGGAGAATTGACTACGCTTATACATCAGCTTCAAGAAAAGGACAAGTTACTCGCTGCTGTGAAG
GAAGATGCTGCTGCTACAAGGATCGGTGTAAGCAGTTAACCCAGGAAATGATGACAGAGAAAGAAAGA
AGCAATGTGGTTATAACAAGGATGAAAGATCGAATTGGAACATTAGAAAAGGAACATAATGTATTTCAA
AACAAAATACATGTCAGTTATCAAGAGACTCAACAGATGCAGATGAAGTTTCAGCAAGTTCTGTGAGCAG
ATGGAGGCAGAGATAGCTCACTTGAAGCAGGAAAATGGTATACTGAGAGATGCAGTCAGCAACACTACA
AATCAACTGGAAGCAAGCAGTCTGCAGAACTAAATAAAGTACGCCAGGATTATGCTAGGTTGGTGAAT
GAGCTGACTGAGAAAACAGGAAAGCTACAGCAAGAGGAAGTCAAAGAAGAATGCTGAGCAAGCAGCT
ACTCAGTTGAAGTTCAACTACAAGAAGCTGAGAGAAGGTGGGAAGAAGTTCAGAGCTACATCAGGAAG
```



[View online »](#)

AGAACAGCGGAACATGAGGCAGCACAGCAAGATTTACAGAGTAAATTTGTGGCCAAAGAAAATGAAGTA  
 CAGAGTCTGCATAGTAAGCTTACAGATACCTTGGTATCAAACAACAGTTGGAGCAAAGACTAATGCAG  
 TTAATGGAATCAGAGCAGAAAAGGGTGAACAAAGAAGAGTCTCTACAAATGCAGGTTCCAGGATATTTG  
 GAGCAGAATGAGGCTTTGAAAGCTCAAATTCAGCAGTTCATTCCCAGATAGCAGCCCAGACCTCCGCT  
 TCAGTTCTAGCAGAAGAATTACATAAAGTGATTGCAGAAAAGGATAAGCAGATAAAACAGACTGAAGAT  
 TCTTTAGCAAGTGAACGTGATCGTTTAAACAAGTAAAGAAGAGGAACTTAAGGATATACAGAATATGAAT  
 TTCTTATTAAGAGCTGAAGTGCAGAAATACAGGCCCTGGCAAATGAGCAGGCTGCTGCACATGAA  
 TTGGAAAGATGCAACAAAGTGTATGTTAAAGATGATAAAATAAGATTGCTGGAAGAGCAACTACAA  
 CATGAAATTTCAAACAAATGGAAGAATTTAAGATTCTAAATGACCAAAAACAAAGCATTAAATCAGAA  
 GTTCAGAAGCTACAGACTCTGTTTCTGAACAGCCTAATAAGGATGTTGTGGAACAAATGGAAAAATGC  
 ATTCAGAAGAAAAGATGAGAAGTTAAAGACTGTGGAAGAATTACTTGAAACTGGACTTATTCAGGTGGCA  
 ACTAAAGAAGAGGAGCTGAATGCAATAAGAACAGAAAATTCATCTCTGACAAAAGAAGTTCAAGACTTA  
 AAAGCTAAGCAAATGATCAGGTTTCTTTGCCTCTCTAGTTGAAGAACTTAAGAAAGTGATCCATGAG  
 AAAGATGGAAGATCAAGTCTGTAGAAGAGCTTCTGGAGGCAGAACTTCTCAAAGTTGCTACAAGGAG  
 AAAACTGTTCCAGATTTGAAACAGGAAATAAAGGCTCTAAAAGAAGAAATAGGAAATGTCCAGCTTGAA  
 AAGGCTCAACAGTTATCTATCACTTCCAAAGTTCCAGGAGCTTCAAGAACTTATAAAAGGAAAAGAGGAA  
 CAGATGAATACCATGAAGGCTGTTTTGGAAGAGAAAGAGAAAGACCTAGCCAATACAGGGAAAGTGTTA  
 CAGGATCTTCAAGAAGAAAATGAATCTTTAAAAGCACATGTTCCAGGAAGTAGCACAAACATAAATTGAAA  
 GAGGCCTCTTCTGCATCAGGTTGAAAGAACTTGAGATTGTTGAAAGAAAAGGAAAATGAATTGAAG  
 AGGTTAGAAGCCATGCTAAAAGAGAGGGAGAGTGATCTTTCTAGCAAAACACAGCTGTTACAGGATGTA  
 CAAGATGAAAACAAATGTTTAAAGTCCCAATTTGAGCAGCTTAAACAACAAAACCTACCAACAGGCATCT  
 TCTTTTCCCTCATGAAGAATTATTAAGTAATTTTCAAGAAAGAGAGAAAAGAAAATGAAGTGTCTCTGG  
 AATGAGTTAGATTCTTTGAAGGATGCAGTTGAACACCAGAGGAAGAAAACAATGACCTTCGGGAGAAA  
 AACTGGGAAGCAATGGAAGCATTGGCATCAACTGAAAAAATGCTGCAGGACAAAGTGAACAAGACTTCC  
 AAGGAAAAGGCAGCAACAGGTGGAAGCTGTTGAGTTGGAGGCTAAAAGAAAGTTCTCAAAAAATTTATTTCCA  
 AAGGTGTCTGTCCCTTAATTTGAGTTATGGTGAATGTTGCATGGATTTGAAAAAAGGCAAAAAGAA  
 TGTATGGCTGGAACCTCAGGGTCAGAGGAGGTTAAGGTTCTAGAGCACAAGTTGAAAGAAGCTGATGAA  
 ATGCACACATTGTTACAGCTAGAGTGTAAAAATACAAATCCGTCCTGCAGAAACAGAAGGAAATTTTA  
 CAGAAGCTACAGAGAAGTGTGAGCAAGAAGAAAATAAATGGAAGTTAAGGTCGATGAATCACACAAG  
 ACTATTAACAGATGCAGTCATCATTTACATCTTCAGAACAAGAGCTAGAGCGATTAAGAAGCGAAAAT  
 AAGGATATTGAAAATCTGAGAAGAGAACGAGAACATTTGAAAATGGAAGTGAAGAAAGGCAGAGATGGAA  
 CGATCTACCTATGTTACAGAAGTCAGAGAGCTGAAAGATCTGTTGACTGAATTGCAGAAAAAAGCTGAT  
 GATTCATATTCTGAAGCAGTAAGACAGAATGAAGAGCTAAATTTGTTGAAGGCACAGTTAAATGAAACA  
 CTCAAAAAAGTGAAGTGAACAAAATGAAAGACAGAAGGTAGCTGGTGAATTTGCATAAGGCTCAACAG  
 TCACTGGAGCTTATCCAGTCAAAAATAGTAAAAGCTGCTGGAGACACTACTGTTATTGAAAATAGTGAT  
 GTTTCCCGAGAAACGGAGTCTTCTGAGAAGGAGACAATGTCTGTAAAGTCTAAATCAGACTGTAACACAG  
 TTACAGCAGTTGCTTCAGGCGGTAACCAACAGCTCACAAGGAGAAAGAGCACTACCAGGTGTTAGAG  
 TGA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001079521

**Insert Size:**

4074 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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001079521.1</a></u>
<b>RefSeq Size:</b>	4750 bp
<b>RefSeq ORF:</b>	4074 bp
<b>Locus ID:</b>	3895
<b>UniProt ID:</b>	<u><a href="#">Q86UP2</a></u>
<b>Cytogenetics:</b>	14q22.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	156.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (a).</p>