

## Product datasheet for RC220557

### Kinectin 1 (KTN1) (NM\_001079522) Human Tagged ORF Clone

#### Product data:

|                          |  |
|--------------------------|--|
| Product Type:            | Expression Plasmids  |
| Product Name:            | Kinectin 1 (KTN1) (NM_001079522) Human Tagged ORF Clone                        |
| Tag:                     | Myc-DDK  |
| Symbol:                  | KTN1   |
| Synonyms:                | CG1; KNT; MU-RMS-40.19   |
| Vector:                  | pCMV6-Entry (PS100001)   |
| E. coli Selection:       | Kanamycin (25 ug/mL)   |
| Cell Selection:          | Neomycin   |
| ORF Nucleotide Sequence: | >RC220557 representing NM_001079522<br>Red=Cloning site Blue=ORF Green=Tags(s) |

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**Protein Sequence:** >RC220557 representing NM\_001079522  
 Red=Cloning site Green=Tags(s)

```
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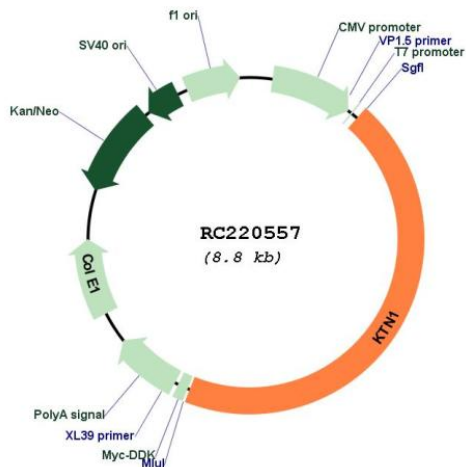
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**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001079522

**ORF Size:** 3918 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:**

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\\_001079522.2](#)

**RefSeq Size:** 4721 bp

**RefSeq ORF:** 3921 bp

**Locus ID:** 3895

**UniProt ID:** [Q86UP2](#)

**Cytogenetics:** 14q22.3

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 150.2 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]