

## Product datasheet for SC333025

### Kinectin 1 (KTN1) (NM\_001271014) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kinectin 1 (KTN1) (NM_001271014) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kinectin 1
Synonyms:	CG1; KNT; MU-RMS-40.19
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC333025 representing NM_001271014. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001271014
- Insert Size:** 3990 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:**
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\\_001271014.1](#)

RefSeq Size: 4790 bp

RefSeq ORF: 3990 bp

Locus ID: 3895

UniProt ID: [Q86UP2](#)

Cytogenetics: 14q22.3

Protein Families: Druggable Genome, Transmembrane

MW: 153 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]  
Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate in-frame exon in the coding region compared to variant 2. This variant encodes isoform d, which is shorter than isoform a.