

Product datasheet for **SC315651**

Kinectin 1 (KTN1) (NM_001079522) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kinectin 1 (KTN1) (NM_001079522) Human Untagged Clone
Tag: Tag Free
Symbol: Kinectin 1
Synonyms: CG1; KNT; MU-RMS-40.19
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001079522, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTTTTATGAGTCAGCATATTTTATTGTTCTTATTCCTTCAATAGTTATTACAGTA
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CACTACCAGGTGTTAGAG
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001079522
- 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:** 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.
- 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_001079522.1](#), [NP_001072990.1](#)

RefSeq Size: 4721 bp

RefSeq ORF: 3921 bp

Locus ID: 3895

UniProt ID: [Q86UP2](#)

Cytogenetics: 14q22.3

Protein Families: Druggable Genome, Transmembrane

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 (3) differs in the 5' UTR and lacks two alternate in-frame exons in the coding region compared to variant 2. This variant encodes isoform b, which is shorter than isoform a.