

## Product datasheet for **SC200438**

### KIAA1731 (CEP295) (NM\_033395) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	KIAA1731 (CEP295) (NM_033395) Human 3' UTR Clone
Symbol:	KIAA1731
Synonyms:	KIAA1731
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_033395
Insert Size:	119 bp
Insert Sequence:	<p>&gt;SC200438 3'UTR clone of NM_033395</p> <p>The sequence shown below is from the reference sequence of NM_033395. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <p>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG            TAACAATTGGCAGAGCTCAGAATTCAA<b>CGATCGCC</b>            GAGAACTTCGAGCCAAAAATACATGCT<b>GA</b>CTTTCTAGAAATAGTGTAAGGTTTTTAATTGTGTATA            TGTAGCATTAGACAAAATTATTTAAAGTCAATAAATTGTTATTCGAGGAA  <b>ACGCGT</b>AAGCGGCCGCGCATCTAGATTCTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA            CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG</p>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_033395.2</a></u>


[View online »](#)

**Summary:**

Centriole-enriched microtubule-binding protein involved in centriole biogenesis (PubMed:20844083, PubMed:25131205, PubMed:27185865). Essential for the generation of the distal portion of new-born centrioles in a CENPJ- and CEP120-mediated elongation dependent manner during the cell cycle S/G2 phase after formation of the initiating cartwheel structure (PubMed:27185865). Required for the recruitment of centriolar proteins, such as POC1B, POC5 and CEP135, into the distal portion of centrioles (PubMed:27185865). Also required for centriole-to-centrosome conversion during mitotic progression, but is dispensable for cartwheel removal or centriole disengagement (PubMed:25131205). Binds to and stabilizes centriolar microtubule (PubMed:27185865).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

85459

**MW:**

4.6