

## Product datasheet for **RC235327**

### **KIAA0586 (NM\_001244189) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KIAA0586 (NM\_001244189) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** KIAA0586  
**Synonyms:** JBTS23; SRTD14; Talpid3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC235327 representing NM\_001244189  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTTGGTGTGGGACTTGTTTTGTGACCAACAATATGAAAGGCTCTGAGGTCAGCTTGGAGAAGAAAA  
AAAAGATTAAGATGCCAGTGAAGAGACTTCGTGAGGTAGTTTCTCAAATCATGGAGATCATTTGGTTTT  
GCTGAAAGATGAGTTGCCCTGTGTCTCCGGCATTGTCTGCAAATAAACGTCTTCTGTTGGAACGGGG  
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TAGAAAATCCCATGGTGTGAGAAAGTATTTTTCTAAAGACGTTGCAGTGCAGTGTTCCTTTGGATAA  
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TGTTGAAGCTTCCAGATCTTCCACAGAATTCTGTTAAGCTTCAAACAACCAATACAACAAGATCTGTATT  
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GAGCTTAATCCGTACCTCACATGTGATTTTTCAGGTTTGGGGTACATGTGAAGAAGTTTCTGTATAG  
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CCGCTTACAGATGCCCCCTGCCAAGATGTCAGTGTGCTGCCGTCAGTGAACCTCGAGGACTGCTCTCA  
GTCTCTGAGTCTCAGCACAATGCAGGAGGACATGGAGTCTTCGGGGCAGATACCTTCTGACCGGAAGA  
GACAGCCAGCACAGTGTTTATGCCACTGGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235327 representing NM\_001244189  
 Red=Cloning site Green=Tags(s)

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MFWCGTCFVTNNMGSEVSLKMKKIKMPVKRLREVVSQNHGDHLVLLKDELPCVPPALSANKRLPVGTG
TSLNGTSRGSSDLTSARNCYQPLENPMVSEDFSKDVAVQVPLDKIEENKQKANDIFISQYTMGQKD
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VDEEEVKFPGTNFEIIDIIVIQEEEKCEIPDSEPILEFNRSVKADSTKYNGPPFPVASTFQPTADILDK
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AGTKAPSPSQMPGSDSSTLESTLSVTVTETETLTKPISEGEILFCGQKLAPKIILEDIGLYTLNLSLS
STLHDAVEMEDDPPSEGVIRMSHKKFHADAILSFQKQNESAVSQQAVYHSEDLNSVGELESEGQRPQL
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ELNPLYLTCVFSGLGVHVKKVSCIGKLGWRVFIQIISPRWESSATLRF TDAPCQDVSDAAVSEPRGLLS
VSESQHNAGGHGVFGGRYLLNGKRQPAQCLCHWF
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

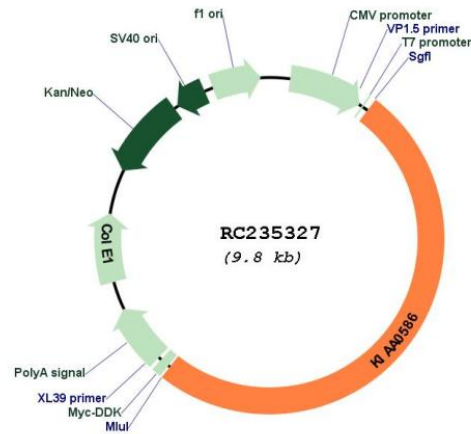
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001244189

**ORF Size:** 4932 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\\_001244189.2](#)

**RefSeq Size:** 6043 bp

**RefSeq ORF:** 4935 bp

Locus ID: 9786

UniProt ID: [Q9BVV6](#)

Cytogenetics: 14q23.1

MW: 182.5 kDa

**Gene Summary:** This gene encodes a conserved centrosomal protein that functions in ciliogenesis and responds to hedgehog signaling. Mutations in this gene causes Joubert syndrome 23. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Aug 2016]