

## Product datasheet for **RC239404**

### **KIAA1586 (NM\_001286275) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | Expression Plasmids                            |
| Product Name:             | KIAA1586 (NM_001286275) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                        |
| Symbol:                   | KIAA1586                                       |
| Mammalian Cell Selection: | Neomycin                                       |
| Vector:                   | pCMV6-Entry (PS100001)                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                           |



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**ORF Nucleotide  
Sequence:**

>RC239404 representing NM\_001286275  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGCCAAACGACAGGGTGATTTTTTGCATTTTTTAAATGTGAAGAAGGTGAAAACAGACACAGAAAATA  
 ATGAAGTGAGCAAAATCACTGCAGATTGTCTAAGGCAAGGAACACATTTTCGAGTATATTGAACAACC  
 AATCATTTGAAGAAAAGCCATCACTTTCATCAAAGAAAGAAATAGATAATCTTGTGCTTCAGATTGTTGG  
 AATGAAAAACAAGCATTTATGTTTACAGAACAAATACAAATGGCTTGAAATAAAAGAAGGTAAATTAGGAT  
 GTAAGGATTGTTTCAGCAGTTTCGGCATTTGGGATCGAAAGCAGAAAAGCATGTCCATGTGTCCAAGGAATG  
 GATTGCATATTTAGTAACCCCTAATGGCAGTAATAAACTACTAGGCAAGCTTCTCTACGAAAAAAATTT  
 AGGGAACATGATGTTTCTAAAGCCCATGGTAAAATTCAGGATTTGTTAAAGGAATCAACTAATGATTCAA  
 TTTGTAATTTAGTGCATAAACAAAATAATAAAATATTGATGCTACTGTAAAAGTTTTCAACTACTGTTTA  
 CAGTTTAGTAAACATAACAGACCTTTATCTGATATTGAGGGGGCAGAGAATTACAGGAAAAAAATGGA  
 GAGGTAAATTGTTTAAATACACGTTACAGTGCAACAAGAAATAGCAGAACATATTGCAAAAGAAATGAAGA  
 TGAAGATATTTAAGAATATTATAGAAGAGAATGCCAAATCTGTATCATAATTGATGAGGCATCTACAGT  
 TTCAAAGAAAACCACTAGTGATTATCTCCAGTGCACAATTCAGTCAGCTCCTGCACCTGTTATGTTA  
 TTTGTGGCTTTAAAGAATTGGTGTCAACTATAGCAGAGTGATTGTCAATACATTATTGACTACTTTAA  
 ATGATTGTGGTTTTACAAATGAATATTTGAAAGCAAAATTAATTGCATTTTGTCTGATGGTGCTAATAC  
 AATCCTGGGAAGAAAGTCTGGAGTAGCTACAAAATTTGTAGAAAATTTTCTGAAATCATCATTTGGAAC  
 TGTTTAAATCATCGATTACAATTGTCACTTGATGATTCTATATCCGAAATAAAACAAATTAATCATTTAA  
 AAATATTTATTGATAAAATTTATCTATTTATCATCAACCTAATAAAATCAAACCAAGCTTCTAGGAAC  
 GTAGCTAAAGAACTTGAAACTGAAATTATTTAAATTTGGTCGAGTAATGGGACCAAGATGGCGCGCATGT  
 AGTTTACAAGCTGCTACTGCTGTATGGCATGCATATCCTATATTATATATGCATTTTCTCATTCTTACT  
 CTGGTTTGGCGAAGAGATTAGCTAACATTAATTTCTTACAAGACCTTGCTTTAATGATTGACATTCTTGA  
 AGAATTTTCAGTACTTTCAACTGCATTACAGTCAAGATCAACTAATATTAAGAAAGCAGAAAAATGATC  
 AAACGTACCATAAGAGCTTTGAAAAATTTAAAAATTTGGTACTGGAAAGTATGAATCTCAAATTGAAGATT  
 TGATCAAGTCAGATAAGTTTAAAGATATTCCATTTAATAAAAAACAATAAATTTAATGCTCTTCTAGGAG  
 TATATTACTAGACAATATAATTCAGCACATGAACCTACGCCTTTTATCTGACAGAAACCATGAAGATATT  
 TTTAATTACTTTGATTTGCTGGAACCTCCACATGGCCTTATGAAGAAATACTTCACCATGGATAGCTG  
 GTGAAAAAACATTATTTCAATTTGTGTAATTTTAAAAATATGAAGTTGATTTGAATGATTTTCGGGAATT  
 TGTAATAATAATATAAAATCAAACAATGTTTCAATTCCTACAACCTATATACAAAGCTAAAAAGATAGTT  
 AGCACCATTGCAATCAATAGTGCTGAAGCTGAAAGGGGTTTCAATTTAATGAACATAATTTGTACAAGGG  
 TGAGAAATAGTTTAAACAATAGATCATGTATCAGATTTAATGACAATAAATTTACTGGGGAAGAATTAGC  
 AGATTGGGATGCAACACCGTTTGTAAAATCTTGGTCAAATTGCAACCACAGGTTGGCTACAGATACAAGA  
 GTTCGGCAAAAGTCAACAAAAGTCTTCCATGAGAATCAATTGGCTATATGGAACCTTAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239404 representing NM\_001286275  
 Red=Cloning site Green=Tags(s)

MPKRQGDFLHFLNVKKVKTDTENNEVSKNHCRLSKAKEPHFEYIEQPIIEEKPSLSSKKEIDNLVLPDCW  
 NEKQAFMFTEQYKWLIEKEGKLGCKDCSAVRHLGSKAEKHVHVSKEWIAVLVTPNGSNKTTRQASLRKKI  
 REHDVSKAHGKIQDLLKESTNDSICNLVHKQNNKNIDATVKVFNTVYSLVKHNRPLSDIEGARELQEKNG  
 EVNCLNTRYSATRIAEHIAKEMKMKIFKNIEENAKICIIIDEASTVSKKTTLVIYLQCTIQSAPAPVML  
 FVALKELVSTIAECIVNTLLTTLNDCGFTNEYLKANLIAFCSDGANTILGRKSGVATKLLLENFPEIIWN  
 CLNHRLQLSLDDSISEIKQINHLKIFIDKIYSIYHQPKNQTKLLGTVAKELETEIIGRVMGPRWAAC  
 SLQAATAVWHAYPILYMHFSHYSGLAKRLANINFLQDLALMIDILEEFSVLSTALQSRSTNIKAQKLI  
 KRTIRALENLKIGTGKYESQIEDLIKSDKFKDIPFNKNNKFNALPRSILLDNIIQHMLRLLSDRNHEDI  
 FNYFDLLEPSTWPYEEITSPWIAGEKTLFHLCKILKYEVDLNDREFVNNNIKSNNVSIPTTIYKAKKIV  
 STIAINSAAERGFNLMNIICTRVRNSLTIDHVS DLM T INLLGKELADWDATPFVKSWSNCNHRLATDTR  
 VRQKSTKVFHENQLAIWNLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286275

**ORF Size:** 2160 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001286275.1](#), [NP\\_001273204.1](#)

**RefSeq Size:** 2942 bp

**RefSeq ORF:** 2163 bp

**Locus ID:** 57691

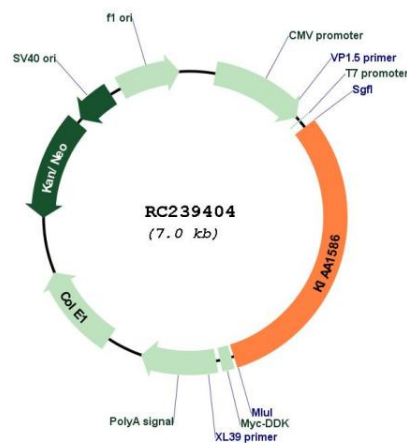
**UniProt ID:** [Q9HCL6](#)

**Cytogenetics:** 6p12.1

**MW:** 82.9 kDa

**Gene Summary:** E3 SUMO-protein ligase; facilitates UBE2I/UBC9-mediated SUMO2 modification of target proteins (PubMed:26524493).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC239404