

## Product datasheet for **SC337299**

### **KIAA1586 (NM\_001286276) Human Untagged Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | KIAA1586 (NM_001286276) Human Untagged Clone |
| Tag:                      | Tag Free                                     |
| Symbol:                   | KIAA1586                                     |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-Entry (PS100001)                       |
| E. coli Selection:        | Kanamycin (25 ug/mL)                         |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001286276, the custom clone sequence may differ by one or more nucleotides

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ATGCCAAACGACAGGGTGATTTTTGCATTTTTAAATGTGAAGAAGGTGAAAACAGACACAGAAAATA
ATGAAGTGAGCAAAATCACTGCAGATTGTCTAAGGCAAAGGAACCACATTCGAGTATATTGAACAACC
AATCATTGAAGAAAAGCCATCACTTTCATCAAAGAAAGAAATAGATAATCTTGTGCTTCCAGATTGTTGG
AATGAAAAACAAGCATTATGTTTACAGACAATACAAATGGCTTGAAATAAAAGAAGGTAAATTAGGAT
GTAAGGATTGTTGAGCAGTTCGGCATTTGGGATCGAAAGCAGAAAAGCATGTCCATGTGTCCAAGGAATG
GATTGCATATTTAGTAACCCCTAATGGCAGTAATAAACTACTAGGCAAGCTTCTCTACGAAAAAAAT
AGGGAACATGATGTTTCTAAAGCCCATGGTAAATTCAGGATTTGTTAAAGGAATCAACTAATGATTCAA
TTTGAATTTAGTGATAACAAAATAAAAAATATTGATGCTACTGTAAAAGTTTCACTACTGTTTA
CAGTTTAGTAAACATAACAGACCTTTATCTGATATTGAGGGGCAAGAGAATTACAGGAAAAAATGGA
GAGGTAAATTGTTTAAATACACGTTACAGTGCAACAAGAATAGCAGAACATATTGCAAAAGAAATGAAGA
TGAAGATATTTAAGAATATTATAGAAGAGAATGCCAAATCTGTATCATAATTGATGAGGCATCTACAGT
TTCAAAGAAAACCACCTAGTGATTATCTCCAGTGCACAATTCAGTCAGCTCCTGCACCTGTTATGTTA
TTTGTGGCTTTAAAGAATTGGTGTCAACTATAGCAGAGTGATTGTCAATACATTATTGACTACTTTAA
ATGATTGTGGTTTACAAATGAATATTTGAAAGCAAAATTAATTGCATTTTGTCTGATGGTGCTAATAC
AATCCTGGGAAGAAAGTCTGGAGTAGCTACAAAATTTGTTAGAAAAATTTCTGAAATCATCATTTGGAAC
TGTTTAAATCATCGATTACAATTGTCACTTGATGATTCTATATCCGAAATAAAACAAATTAATCATTTAA
AAATATTTATTGATAAAATTTATTCTATTTATCATCAACCTAATAAAATCAAACCAAGCTTCTAGGAAC
TGTAAGCTAAAGAACTGAAACTGAAATTTATTAATTTGGTCGAGTAATGGGACCAAGATGGGCGGCATGT
AGTTTACAAGCTGCTACTGCTGTATGGCATGCATATCCTATATTATATATGCATTTTCTCATTCTTACT
CTGGTTTGGCGAAGAGATTAGCTAACATTAATTTCTTACAAGACCTTGCTTTAATGATTGAGATTCTTGA
AGAATTTTCAGTACTTTCAACTGCATTACAGTCAAGATCAACTAATATTAAGAAAGCACAAAAATTGATC
AAACGTACCATAAGAGCTTTGGAATTTAAAAATTTGGTACTGGAAGTATGAATCTCAAATGAAGATT
TGATCAAGTCAGATAAGTTTAAAGATATTCATTTAATAAAAAACAATAAATTTAATGCTCTTCTAGGAG
TATATTACTAGACAATATAATTCAGCACATGAACCTACGCCTTTTATCTGACAGAAACCTGAAGATATT
TTTAATTACTTTGATTGCTGGAACCTCCACATGGCCTTATGAAGAAATAAATTCACCATGGATAGCTG
GTGAAAAAACATTATTTCAATTTGTGTAATTTTAAAAATATGAAGTTGATTGAATGATTTTCGGGAATT
TGTAATAATAATATAAAATCAAACAATGTTTCAATTCCTACAACCTATATACAAAGCTAAAAAGATAGTT
AGCACCATTGCAATCAATAGTGCTGAAGCTGAAAGGGGTTTCAATTTAATGAACATAATTTGTACAAGGG
TGAGAAATAGTTTAAACAATAGATCATGTATCAGATTTAATGACAATAAATTTACTGGGGAAGAATTAGC
AGATTGGGATGCAACACCGTTTGTAAAACTTGGTCAAATTGCAACCACAGGTTGGCTACAGATACAAGA
GTTTCGGCAAAAGTCAACAAAAGTCTCCATGAGAATCAATTGGCTATATGGAACCTAAAATAG

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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001286276

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_001286276.1, NP_001273205.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2894 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2163 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 57691                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q9HCL6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 6p12.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | <p>E3 SUMO-protein ligase; facilitates UBE2I/UBC9-mediated SUMO2 modification of target proteins (PubMed:26524493).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Both variants 3 and 4 encode isoform c.</p>                                                                                    |