

## Product datasheet for **SC309241**

### **CCDC125 (NM\_176816) Human Untagged Clone**

#### **Product data:**

|                                  |                        |
|----------------------------------|------------------------|
| <b>Product Type:</b>             | Expression Plasmids    |
| <b>Tag:</b>                      | Tag Free               |
| <b>Symbol:</b>                   | CCDC125                |
| <b>Synonyms:</b>                 | KENAE                  |
| <b>Mammalian Cell Selection:</b> | Neomycin               |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001) |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)   |



**Fully Sequenced ORF:**

>SC309241 representing NM\_176816.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGGTGGCAAGATCATCAAGTGAGTCAGACGTGCAGCTCTGGGAAACAGAAGAGGATGACATG
ACAGAAGGTGATTTAGGGTATGGCCTCGGAAGGAAACCTGGTGGGATTTATGAAATAGAATTTTCACAT
AGGTCTAGAAAAAGATCAGATGGAAGAATTTAGCCCTCCTCCATTTCCGAGAAAGGGAGAAGAAAGA
AATGAAGCGAGTTTTAGTATTTCCAAGCATAAGAGCCAGCAAGATACATTCCTCAAGTGTCGAGAATT
TCCAATTACAGACGACAAAGTAGCACTGTAGATTCGAATTCAGAATTGTCAAATGAAGAATTAAGGCAA
TGTCTTAATGAACTTTAGAGGAGGTAGAAATGTTAAAACTGAACTTGAGGCATCTCAAAGACAACCTC
AGAGGTAAAGAGGAAGCATTGAAATTTCTCAAAGCATGGCAATACTGGGCAAAAGCCACAAGTCATACG
CAGGCAGTGCTTCAAAAACTATGGAACAAAACAGATCCTTGGAGAAGGAAATAAATGCCTTGCACTGG
GAAATAGAATTTGATCATAATAGATTTAAAAATATAGAGGAATCTTGGATCCAAAAATATGACAGGCTA
AACTGTGAAATGCAGTCCTCAAAGAGAATTTGAAAGTGAACAGAAGAAATTAATGCTGAAGTCT
GACAATGCAGTTTTGAATCAACGGTATTTGGAGGCCCTCGCCATGCTTGATATCAAACAGCAGAAGATG
GCTCAGGAAAAATGTGCTGTGATAAAAGTGGCTTTGCAGAGGCTTCAGGTCTTGAGCTTGCGGTCTC
GGAGCCTGCCTTTGTCTGGGCGCCGAGGGAACCCCTGTTCTTGCCAGAATGGCAGCATCCACTCGG
AACTGCTTCTTCAGCTCAACAAGAGTTGGAATTTTGCAAGAGTAAGAAGAAGCTTACGTGATG
GCAGATGCTTTCAGAATTGCATTTGAGCAACAATTAATGAGAAAAATGACCAGGCACTACAATTGACA
CAATGGATAAAATGCATAAAAAAGCAACAAATGGATGAATTGGAAGCACCTTAAAGAGGATGGATTT
CCATCACCAGGAGTAAGAAGACCTTCGGGCAGAGACTGTTGGGTATGCTCCCTTCAGAAAACAGTTCT
AAGAGGATGGAAGACCAGGACAGTCTCAAGAGGTCTTAAGATGCTCATAGATTTGCTTAATGATAAA
GAAGAAGCTTTGGCTCATCAAAGAAAAGTTAGCTACATGCTTGCTCGGGCATTGGAAGACAAAGACACT
GCTTCAAACGAGAATAAAGAAAAAATCCTATAAAAGAGAATTTCCCTTCAACAACCCCTGGCGTAAG
ACTTCAGAATTCCTGTTTGGGTGATCCTATACATTCAAGTGTCTGCATTTTAAATTCGTGGGCTGC
ATTTGTTCAATCCAGCACTCTCAAAATAGATCCAACTATAGAACTTTAAAGATCCCATTCTTTGCCA
TCAAGTATCATATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:**

Sgfl-MluI

**ACCN:**

NM\_176816

**Insert Size:**

1536 bp

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_176816.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 3689 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1536 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 202243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q86Z20</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 5q13.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MW:</b>                    | 58.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | <p>May be involved in the regulation of cell migration.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>                                                                                         |