

## Product datasheet for RC221755

### CCDC144A (NM\_014695) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC144A (NM_014695) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC144A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221755 representing NM_014695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGCCTCCTGGGGTGGAGAAAAGCGGGGAGGGGCTGAGGGTCTCCGAAGCCGGCAGTCTACGCCACGA  
GGAAGACCCTAGCGTCGGGAGCCAGGGGACCAGTGGTACTTGGGCTACCCGGGGACCAGTGGTCCTC  
GGGCTTCCCCTACAGCTGGTGGAAAAACAGCGTCGGCAGCGAGAGCAAGCACGGTGGGGCGCCTTAGAC  
CAGCCCCAGCACGACGTCCGCCGGAAGATCTTGGCGAGCTCCACAGAGCTGCCCGGTGGGGCAGCTCC  
CTGGGGTGGAGCACATCTTAGCTCCTGGAGACTGGCGTGGACAAGAGGGATAGGAAGAAGCATTCA  
GCAACTAGTTCCTGAATAAAGGAAAAACAGACACCTGAAAGTCTTCTCAAATAACAATCCAGATTGG  
CATCTACTAATTTGACCCTTAGTGATGAGACTTGTGAGAGATCCAAGAATCTGAAAATTGATGATAAAT  
GTCCATCTGTATCACCATCAATGCCTGAAAATCAGTCAGCAACCAAGAAGTGGGACAGATGAACTTAAC  
AGAACGAGAAAAGATGGACTGGAGTTGTACTTCTCAGGGAATGATACTCTCCATGACCTGTGCCAA  
TCACAGCTACCAGAAAACAAAGAGAGCAAGAAGCAGAACCAAGACTCGGAGCTGACATCAGAGGAAGAGC  
AAGAAAGACTTAAAGGATGCGAAAATAAGCAGCCACAGAAAACGTCTCAAGAACCAGAAATGGCTAAGGA  
TTGCGATAGAGAGGATATACCTATATCCAGTACTTCTCATGTGCAAAAATCTGAGGAAATGTGGATT  
GAACAAGGCAAAATTAGAGTGGAAAAACCAATTAAGTCTGCATAAATGAGTTAAAGCAGAGGTTTGGTG  
AAATTTATGAAAAATACAAAATTCGGCTTGTCTGAGGAAGAGCCACTACTTGATAACTCTACAAGAGG  
AACAGATGTAAGGATATTCCTTTAATTTGACAAATAACATACCTGGTTGTGAGGAAGAAGATGCATCT  
GAAATATCTGTCTCAGTGGTATTCGAGACATTTCTGAACAAAAAGAACCAGTCTCAAAAATATCATCC  
ATCCATACTATCATCCACTCTGGGTCAGGAAACATGTTTGCCAGTCACTTCTAAGTTTCATTTACA  
TGAAAAATAAATAGACTGCGACAATGATAACAAACCAGGCATTGGACATATTTTTAGTACAGATAAGAAC  
TTTCATAATGATGCAAGCACTAAGAAAGCAAGGAACCCAGAAGTGGTTATGGTTGAAATGAAAGAAGACC  
AAGAGTTTGATTTGCAATGACAAAAAATGAACCAAAATAGTGACAGTGGCAGTACAACAACATATAA  
AAGCCTGAAACCTAAATTAGAAAATCTGAGTTCTTTACCAGATTCTGACAGAATCAGAAGATATAT  
CTACATGAAGAATTACAGCAAGACATGCAAAAAGTTTAAAGAAATGAGGTCAACACATTAGAAGAAGATTCC  
TGCTTTGAAGAAAGAAGATGTTCAACTTCATAAAGATGTTGAAGAAGAATGGAGAAGCACAGAAGTAA



[View online »](#)

TAGCACAGAATTATCAGGAACCCTAACTGATGGTACTACTGTTGGCAATGATGATGATGGACTAAATCAG  
CAGATTCCTAGGAAGGAAAATGGAGAGCATGACAGGCCTGCAGATAAACATCTAATGAAAAACGAGG  
TCAAAAACCAATATATCCTGAGGCTGACTTTGCTGACTCAATGGAGCCATCTGAAATAGCCTCAGAGGA  
TTGTGAATTGTCTCACTCTGTTTATGAGAATTTTATGTTGCTGATTGAACAACCTAGAATGGAGTATAAA  
GATTCTGCTAGCCTACCAAGAATCCAAGACACATTTTGTGTTGTGAACACTTACTGAACTTAAAGAATA  
ATCACTGTGACCAACTTACAGTAAAACCTTAAACAAATGGAAAATATGGTCAGTGTACTACAAAATGAGCT  
ATCTGAAAACAAAAAGACAAAATACAGTTAGAACTTCAAAAAATGAAATGGGAGAAAAGAGCTGTACGAT  
TTGAGACTTGCCTTAAAAACAAGAAAATGAGGAGAAAAGAAAATGCCGATATGTTGTATAATAAAGATAGTG  
AACAGTTAAGAATAAAAGAGAGGAGTGTGGGAAAGTGGTTGAAACAAAGCAACAACCTTAAATGGATCT  
GAGAAGACTTGTAAAGGAATTGAGGACAGTAAGAAATAACTTGGATCTGGTTGTGCAGGAGAGAAAACGAT  
GCCCAGAAGCAACTTTCTGAAGAACAGGATGCCAGAATATTACAAGATCAGATTCTGACGAGTAAACAAA  
AGGAACTAGAAATGGCTCGAAAGAAAATGAATTCTGAGATTTCTCATAGGCATCAGAAAAGAAAAGGATCT  
CTTTCATGAAGATTGCATGTTGCAGGAAGAAAATGCCTTGTGACTGGAAATAGATACAATAAAAAAT  
CAGAACAAGCAAAAAGAAAAGAAAATATTTTGAGGACATTGAGGCTGTGAAAGAAAAGAAATGATAACCTTC  
AAAAAATTATAAACTAAATGAGGAAACATTAACAGAAAACAATACTCCAGTACAGTGGACAGCTGAACAA  
TCTGACAGCTGAGAACAAAATACTCAATTCTGAACTGGAGAATGGGAAACAGAACCAAGAAAAGACTAGAA  
ATAGAAATGGAATCATACCGTTGTAGACTAGCTGCTGCTGACTGTGATCAAAGTCAAGACAGCA  
GAGACCTAAAACCTTGATTTCCAGAGAACAAGACAAGAGTGGGTTTCGTTTACATGACAAAAATGAAGTTGA  
TATGCTCTGGCCTACAAGCTAAGAATGAGATTCTTTCTGAAAACTTTCTAATGCTGAAAGTAAAAATTAAC  
AGCCTACAAATTCAGCTCCATAACACAAGAGATGCTCTTGAAGAGAGAGTTTGAATTTGGAACCTGTGC  
AAAGAGACCTCAGCCAAACACAGTGTGAGAAGAAAAGAACTGAACAAATGTACCAAAATGAACAAAGCAA  
ACTGAAGAAAATACATTGCCAAGCAGGAATCTGTAGAGGAGAGATTATCTCAACTACAAAGTAAAAATATG  
TTGCTTCGACAGCAACTGGATGATGCTCAAGAAGAACTAACAGTCAAGAAAAGACAAGCAGTACTATCC  
AAGACCAGTTTCACTTCTGCTGCCAAAAATCTTCAAGCTGAGAGTGAAGAGCAGATTCTTTACTACAAGA  
GAAGAACAAGGAGCTGATGGATGAATATAATCATTAAAAAGAAAAGTGAATCAATGTGAGAAAAGAGAAA  
GCAGGAAGAAAATTTGACCTTACAGAAGCACAGGAACTGTACCTTACGATGTCTACATCTGGATGCAG  
AGAATGAAGTTCTTCACTTCAACAGACATTATTCTCTATGAAAGCAATACAAAAGCAATGTGAAACACT  
ACAGAAGAATAAGAAGCAGCTGAAACAAGAAGTAGTAAACCTCAAAGTTATATGGAAAAGAAAATGTTA  
GAACGTGGTAAAGCTGAATGGCATAAACTGTTGATTGAAGAAAAGCAAGGAAGGAGATAGAAGAAAAT  
TAAACGAAGCCATTCTCACCTTGCAGAAAACAAGCAGCAGTATCTCATGAACAGTTAGTACAGTTAAGGGA  
GGATAATACTACTTCAATAAAACTCAGATGGAACCTACAATCAAAGATCTGGAATCTGAAATCTCCAGA  
ATAAAACTTCGCAAGCCGACTTAAATAAAACCGAATTGGAAAAGATATAAGGAACCTACCTAGAGAAG  
TGAAAAGTTAGAGAATCCTTGTCAAATGAACTCAGTAGAACTAATGAGATGATAGCAGAGGTCAGTACGCA  
ACTTACTGTGGAGAAAAGAGCAGACCAGATCCAGATCTCTATTCACTGCTTATGCTACAAGGCCAGTCCTA  
GAGTCACCTTGCCTTGGAAATCTTAATGATAGTGAAGTCTCAACAGAAAACATATTCCAAGAAAAAAGA  
GGTCTGCTCTTAAGGACATGGAGAGCTACTTGTGAAGATGCAGCAGAAGTTGCAAAATGATCTAACTGC  
AGAAGTAGCAGGATCCAGCCAGACTGGACTGCACAGAATCCACAGTGTCTCGCTTCTCCTCCAGCTCT  
TTGCACTTGTCTTTGCTCTATCTGCCAACCTTTTTTCTCATCCTTCAGCTGCTACTAAATATGAACC  
TGGATCCTATA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221755 representing NM\_014695  
Red=Cloning site Green=Tags(s)

```
MASWGGEKRGGAEGSPKPAVYATRKTSPVSGDQWYLGYPGDQWSSGFPYSWWKNSVSGSESKHGEGALD
QPQHDVRLLEDLGELEHRAARSGDVPVGEHILAPGDTGVDKRDRKKSIIQQLVPEYKEKQTPESLPQNNPDW
HPTNLTLSDETCQRSKNLKVDDKCPVSPSPENQSATKELGQMNLTREKMDTGTVLLSGNDTLHDLCO
SQLPENKESKEAEQDSELTSEEEQERLKGECENKQPQKTSQEPEMAKDCDREDIPIYPVLPVHVQKSEEMWI
EQGKLEWKNQLKLVINELKQRFGEIYEKYKIPACPEEEPLLNDNSTRGTDVKDIPFNLTNINIPGCEEDAS
EISVSVVFETTFPEQKPSLKNIIHPYHPYSGSQEHVCQSSSKFHLHENKLDKDNNDKPGIGHIFSTDKN
FHNDASTKKARNPEVVMVEMKEDQFDLQMTKNMNQNSDSGSTNNYKSLKPKLENLSSLPPDSRTSEVY
LHEELQDMQKFKNEVNTLEEFALKKEDVQLHKDVEEEMEKHRSNSTELSGTLTDGTTVGNDDDLNLQ
QIPRKENGEHDPADKTSNEKNEVKNQIYPEADFADSMPESEIASEDCELSHSVYENFMLLIEQLRMEYK
DSASLPRIQDTFCLCEHLLKLNHCDQLTVLKLQMENMVSVLQNELSEKTKLQLELQKIEWEKELYD
LRLALKQENEEKRNADMLYNKDSEQLRIKEEECGKVVETKQQLKWNLRRLVKELRTVRNLDLVQVERND
AQKQLSEEQDARILQDQILTQKQKLEMARKKMNSEISHRHQKEKDLFHEDCMLQEEIALLRLEIDTIKN
QNKQKKEKYFEDIEAVKEKNDLQKIIKLNNEETLTETILQYSGQLNNTAENKILNSELENGKQNERLE
IEMESYRCRLAAAVRDCDQSQTARDLKLDFQRTQREWVRLHDKMKVDMSQLQAKNEILSEKLSNAESKIN
SLQIQLHNTRDALGRESLILERVQRDLSTQCCQKQKETEYQYIEQSKLKKYIAKQESVEERLSQLQSENM
LLRQQLDDAHKANSQEKTSSTIQDQFHSAAKNLQAESEKQILSLQEKKNELMDEYNHLKERMDQCEKEK
AGRKIDLTEAQETVPSRCLHLDAENEVLQLQQLFSMKAIQKQCETLQKNKKQLKQEVVNLKSYMERNML
ERGAWEHKLLEERARKEIEEKLNEAILTLQQAASHEQLVQLREDNTTSIKTQMELTIKDLSEISR
IKTSQADFNKTELERYKELYEEVKVRESLSNELSRTNEMIAEVSTQLTVEKEQTRSRSFLFAYATRPVL
ESPCVGNLNDSEGLNRKHIPRKKRSALKDMESYLLKMQQLQNDLTAEVAGSSQTLHRIPQCSSFSSSS
LHLLLCSSICQPFLLILQLLLNMNLDPI
```

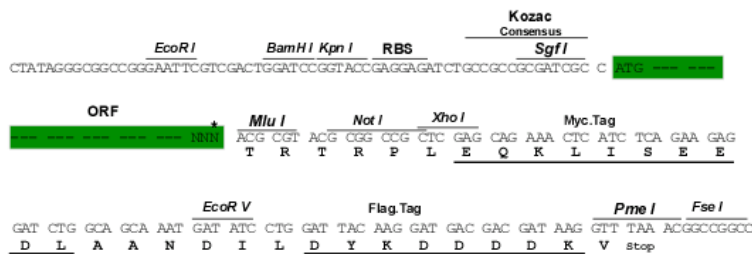
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8100\\_h01.zip](https://cdn.origene.com/chromatograms/mk8100_h01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:

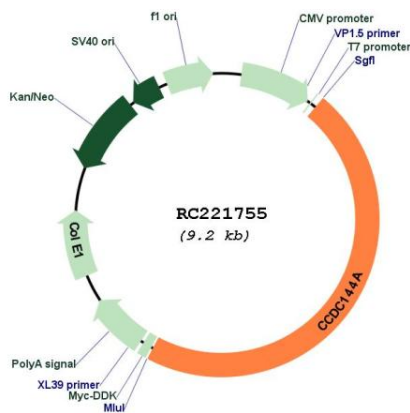


\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_014695

**ORF Size:** 4281 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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><a href="#">NM_014695.1</a></u> , <u><a href="#">NP_055510.1</a></u>
<b>RefSeq Size:</b>	5828 bp
<b>RefSeq ORF:</b>	4284 bp
<b>Locus ID:</b>	9720
<b>UniProt ID:</b>	<u><a href="#">A2RUR9</a></u>
<b>Cytogenetics:</b>	17p11.2
<b>MW:</b>	165.1 kDa

**Product images:**


Circular map for RC221755