

## Product datasheet for **RC202554**

### **C14ORF140 (ZC2HC1C) (NM\_001042430) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14ORF140 (ZC2HC1C) (NM_001042430) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C14ORF140
Synonyms:	C14orf140; FAM164C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202554 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGGTCTCCAGCGTTGGCGTCACATCTGCCTGTGGCGTTATGCTCCACATAATACAACGGAAG  
CTCCAGGGCCCCACTCAGCCAAGCAAGACTCTTACGAACAAGGTGACTCTCCAGCAGTCCTTGAAGGG  
GCACCTGAGGAACAATTTCCAGAAGCAGCTTTTGAGCAACAAAGAGTTGATTCTGGATAAAGTCTATACT  
CACCCCAATGGAACACCCAAACAAAAGCCGGAGCTACTCCTATCCCCACTGTACTGGAATCAGCCAGC  
AAGATCCAGAAAGTGATTCCCAGGGCCAAGGAAATGGTTTGTCTTACTCGTCAGGCCCTCAATCCTGGTA  
TCCCAAAGCCAATAACCAGGACTTTATCCCTTTACAAAGAAACGAGTTGGAGTGACCGGGCGTCCCA  
TTGAAACCCATGGTCCACAGGAAGTCGTGCAGTACAGGTGAGGCTGGCACTGATGGGACCATAATGTCT  
ACCCAAGGCCCTGAGCCGAGAGAGTTTTTCATCTAGGAACTTTGGTGTGAGGAACCAGGGCAACTTTTC  
TGTGGTTGGTACTGTTCTTGCTGCCACGCAGGCGGAGAAGGCCGTGGCAAACCTTTGACAGGACGGAGTGG  
GTGCAGATCCGAAGACTAGAAGCTGCAGGGGAGAGCTTAGAGGAGGAAATCCGAAGAAAGCAGATTCTCC  
TGAGGGGAAAGCTGAAGAAGACAGAGGAGGAAGCTCAGAAGGATCCAGACGCAAAGGAACAGGCCAAGGA  
AAATGAAAACGGAGAGCTACAGAAAATTATACTCCCCAGGAGCAGAGTTAAAGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202554 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGLQRLASHLPVGVMLPHNTTEAPGPHSAKQDSYEQGDSSQQSLKGHLRNNFQKQLLSNKLILDKVYT  
 HPKWNTQTKARSYSYPHCTGISQQDPESDSQGQGNLFYSSGPQSWYPKANNQDFIPFTKKRVGVDRAFP  
 LKPMVHRKSCSTGEAGTDGDHNVYPRPPEPREFSSRNFGVRNQGNF SVVGTVLAATQAEKAVANFDRTEW  
 VQIRRLAAGESLEEEIRRKQILLRGKLLKTEELRRIQTQKEQAKENENGELQKIILPRSRVKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6389\\_c02.zip](https://cdn.origene.com/chromatograms/mk6389_c02.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\_001042430

**ORF Size:** 825 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\\_001042430.3](#)

**RefSeq Size:** 3471 bp

**RefSeq ORF:** 828 bp

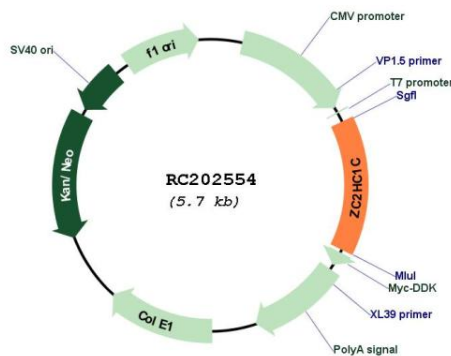
**Locus ID:** 79696

**UniProt ID:** [Q53FD0](#)

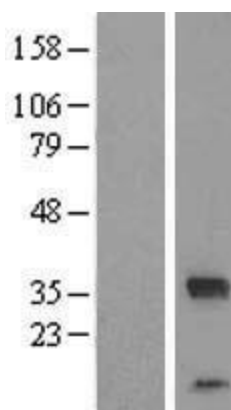
**Cytogenetics:** 14q24.3

**MW:** 31 kDa

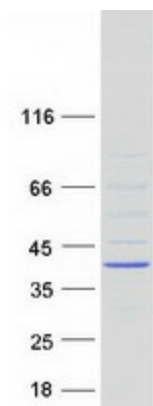
### Product images:



Circular map for RC202554



Western blot validation of overexpression lysate (Cat# [LY420900]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202554 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZC2HC1C protein (Cat# [TP302554]). The protein was produced from HEK293T cells transfected with ZC2HC1C cDNA clone (Cat# RC202554) using MegaTran 2.0 (Cat# [TT210002]).