

## Product datasheet for **RC221916**

### **C17orf80 (NM\_001100621) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C17orf80 (NM_001100621) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C17orf80
Synonyms:	HLC-8; MIG3; SPEP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC221916 representing NM\_001100621  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGATAATCCACCCAGAATGGAAGTGTGTCCTTACTGTAAGAAGCCATTTAAACGATTAATAATCCC  
 ACTTGCCATACTGTAAGATGATAGGACCAACCATACCTACTGATCAAAAAGTTTATCAGTCCAAGCCAGC  
 TACACTCCCACGTGCTAAAAAGATGAAAGGACCAATCAAAGATTTAATTAAGCTAAAGGAAAAGAGTTA  
 GAGACAGAGAATGAAGAAAGAAATTCTAAGTTGGTGGTGGACAAACCAGAACAGACAGTGAAGACCTTTC  
 CACTGCCAGCTGTTGGTTTGGAAAGAGCAGCTACTACAAAGGCAGATAAAGACATCAAGAATCCAATCCA  
 ACCATCCTTCAAATGTTAAAAATACTAAACCAATGACTACTTTCGAAGAAGAAACCAAGGCTCAGTTT  
 TACGCATCAGAGAAAACCTCTCCTAAAAGAGAACTTGCCAAAGATTTGCCTAAATCAGGAGAAAAGTCGAT  
 GTAATCCTTCAAGCTGGAGCGTCTTTACTGGTTGGCTCAATAGAACCTTCTTTGTCAAATCAAGATAG  
 AAAATATTCCTCAACTCTACCTAATGATGTACAACTACCTCTGGTGATCTCAAATTTGGACAAAATTGAT  
 CCCCAAAGACAGGAACCTCTAGTAAAATTAAGTAGATGTGCCTACTGGTGATTTGTCATATTTCTCAAAGA  
 ATGTCAGTGATGGGGTTAAAAGGTAAGAACATTATTAAGCAATGAGAGAGATTCCAAAGGCAGGGATCA  
 CCTCTCAGGAGTCCCTACTGATGTTACAGTTACTGAGACTCCAGAAAAGAACACAGAATCCCTCATTTTAA  
 AGCCTTAAAATGAGCTCATTAGGTAAAATCCAAGTCATGGAGAAAACAAGGAAAGGACTTACCCTGGGAG  
 TAGAGACGTGTGGGAGCAAAGGAAATGCAGAGAAAAGTATGCTGCAACAGAAAAGCAGGAACGGACTGT  
 CATGAGCCATGGCTGTGAGAATCAACACCAGGGATTCAGTACAGGAAAGGAGTCTCAAGGGGAAAGA  
 CCACATTTAAGTTTGTTCATTCCGAGGGAGACGACTTACCAGTTTCAATCTGTATCGCAGTCAAGTAGTC  
 AAAGCTTGCCTCTAGCTACAACATTTCTTCAAGAAAAGAAAAGCAGAAGCCAGAATCATAATTGTGT  
 CCCTGATGTAAGGCATTAATGGAGAGTCCCGAGGGACAGTTATCTCTGGAGCCCAAATCTGATAGTCAG  
 TTCCAAGCATCACACTGGGTGCCAGAGCCCTTTATGTTAGCCAGCGTCACACTCCTCAGAGCCCT  
 TCACCAATCATGCTGCAGCTGCTGGCAGGAAGACTCTTCGCAGCTGCATGGGGCTGGAGTGGTTTCCAGA  
 GCTCTATCCTGGTTACCTTGGACTAGGGGTGTTGCCAGGGAAGCCTCAGTGTGGAATGCAATGACCCAG  
 AAGCCACAACCTTATCAGTCCCAGGGGAAAGACTCTCACAAGGCTGGATCAGGTGCAACACCACCATAA  
 GGAAGAGTGGATTCGGTGGCATCAGATGCTCTCACAGGATACTTCGCCTGTGTGTAGCTGGAGTTT  
 CAGACGCTGAAAAAATGTGCCGACCCTGCCCTGGAAGAGCACAGTACCTCCATGCATTGGTGTGGCG  
 AAGACGACTGGGATTGCCGCTCTAAAACATGTTTGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221916 representing NM\_001100621  
 Red=Cloning site Green=Tags(s)

MSDNPPRMEVCPYCKKPFKRLKSHLPYCKMIGPTIPTDQKVYQSKPATLPRAKMKKGPDKLIKAKGKEL  
 ETENEERNSKLVVDKPEQTVKTFPLPAVGLERAATTKADKDIKNPIQPSFKMLKNTKPMTTFQEETKAQF  
 YASEKTSKRELAKDLPKSGESRCNPSEAGASLLVGSIEPSLSNQDRKYSSTLPNDVQTTSGDLKLDKID  
 PQRQELLVKLLDVPTGDCHISPKNVSDGVKRVRTLLSNERDSKGRDHL SGVPTDVTVTETPEKNTESLIL  
 SLKMSSSLGKIQVMEKQEKGLTLGVETCGSKGNAEKSMSATEKQERTVM SHGCENFNTRDSVTGKESQGER  
 PHLSLFIPRETTYQFHSVSQSSQSLASLATTFLQEKKAEQNHNCVPDVKALMESPEGQLSLEPKSDSQ  
 FQASHTGCQSPLCSAQRHTPQSPFTNHAAAAGRKT LRSCMGLEWFP ELYPGYLGVLPGKPCWNAMTQ  
 KPQLISPQGERLSQGWIRCNTTIRKSGFGGITMLFTGYFVLCSSWSFRRLKLCRPLPWKSTVPPCIGVA  
 KTTGDCRSKTCLD

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8067\\_h10.zip](https://cdn.origene.com/chromatograms/mk8067_h10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001100621

**ORF Size:** 1719 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\\_001100621.2](#), [NP\\_001094091.1](#)

**RefSeq Size:** 3545 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 55028

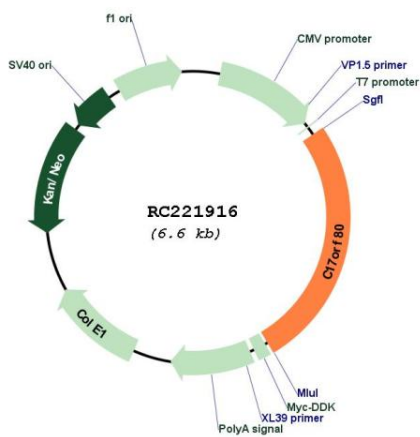
**UniProt ID:** [Q9BSJ5](#)

**Cytogenetics:** 17q25.1

Protein Families: Transmembrane

MW: 63.2 kDa

**Product images:**



Circular map for RC221916