

## Product datasheet for **RG221916**

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

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                            |
| Product Name:             | C17orf80 (NM_001100621) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                       |
| Symbol:                   | C17orf80                                       |
| Synonyms:                 | HLC-8; MIG3; SPEP1                             |
| Mammalian Cell Selection: | Neomycin                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                         |



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**ORF Nucleotide Sequence:**

>RG221916 representing NM\_001100621  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGATAATCCACCCAGAATGGAAGTGTGCCTTACTGTAAGAAGCCATTTAAACGATTAATAATCCC  
 ACTTGCCATACTGTAAGATGATAGGACCAACCATACCTACTGATCAAAAAGTTTATCAGTCCAAGCCAGC  
 TACACTCCCACGTGCTAAAAAGATGAAAGGACCAATCAAAGATTTAATTAAGCTAAAGGAAAAGAGTTA  
 GAGACAGAGAATGAAGAAAGAAATTCTAAGTTGGTGGTGGACAAACCAGAACAGACAGTGAAGACCTTTC  
 CACTGCCAGCTGTTGGTTTGGAAAGAGCAGCTACTACAAAGGCAGATAAAGACATCAAGAATCCAATCCA  
 ACCATCCTTCAAATGTTAAAAATACTAAACCAATGACTACTTTCCAAGAAGAAACCAAGGCTCAGTTT  
 TACGCATCAGAGAAAACCTCTCTAAAAGAGAACTTGCCAAAGATTTGCCTAAATCAGGAGAAAAGTCGAT  
 GTAATCCTTCAAGCTGGAGCGTCTTTACTGGTTGGCTCAATAGAACCTTCTTTGTCAAATCAAGATAG  
 AAAATATTCCTCAACTCTACCTAATGATGTACAACTACCTCTGGTGATCTCAAATGGACAAAATTGAT  
 CCCCAAAGACAGGAACCTCTAGTAAAATTAAGTAGATGTGCCTACTGGTGATTTGCATATTTCTCAAAGA  
 ATGTCAGTGATGGGGTAAAAGGTAAGAACATTATTAAGCAATGAGAGAGATTCCAAAGGCAGGGATCA  
 CCTCTCAGGAGTCCCTACTGATGTTACAGTTACTGAGACTCCAGAAAAGAACACAGAATCCCTCATTTTA  
 AGCCTTAAAATGAGCTCATTAGGTAATAAATCCAAGTCATGGAGAAAACAAGGAAAGGACTTACCCTGGGAG  
 TAGAGACGTGTGGGAGCAAAGGAAATGCAGAGAAAAGTATGTCTGCAACAGAAAAGCAGGAACGGACTGT  
 CATGAGCCATGGCTGTGAGAACTTCAACACCAGGGATTCAGTACAGGAAAGGAGTCTCAAGGGGAAAGA  
 CCACATTTAAGTTTGTTCATTCCGAGGGAGACGACTTACCAGTTTCAATCTGTATCGCAGTCAAGTAGTC  
 AAAGCTTGCCTCTAGCTACAACATTTCTTCAAGAAAAGAAAAGCAGAAGCCAGAAATCATAATTGTGT  
 CCGTGATGTAAGGCATTAATGGAGAGTCCCGAGGGACAGTTATCTCTGGAGCCCAAATCTGATAGTCAG  
 TTCCAAGCATCACACACTGGGTGCCAGAGCCCTTATGTTTCAGCCAGCGTCACACTCCTCAGAGCCCT  
 TCACCAATCATGCTGCAGCTGCTGGCAGGAAGACTCTTCGAGCTGCATGGGGCTGGAGTGGTTCCAGA  
 GCTCTATCCTGGTTACCTTGGACTAGGGGTGTTGCCAGGGAAGCCTCAGTGTGGAATGCAATGACCCAG  
 AAGCCACAACCTTATCAGTCCCAGGGGAAAGACTCTCACAAGGCTGGATCAGGTGCAACACCACCATAA  
 GGAAGAGTGGATTCGGTGGCATCAGATGCTCTCACAGGATACTTCGCCTGTGTGTAGCTGGAGTTT  
 CAGACGCTGAAAAAATGTGCCGACCCTGCCCTGGAAGAGCACAGTACCTCCATGCATTGGTGTGGCC  
 AAGACGACTGGGATTGCCGCTCTAAAACATGTTGGAT

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG221916 representing NM\_001100621  
 Red=Cloning site Green=Tags(s)

MSDNPPRMEVCPYCKKPFKRLKSHLPYCKMIGPTIPTDQKVYQSKPATLPRAKKMKGPIKDLIKAKGKEL  
 ETENEERNKSLVVDKPEQTVKTFPLPAVGLERAATTKADKDIKNPIQPSFKMLKNTKPMTTFQEETKAQF  
 YASEKTSFKRELAKDLPKSGESRCNPSEAGASLLVGSIEPSLSNQDRKYSSTLPNDVQTTSGDLKLDKID  
 PQRQELLVKLLDVPTGDCHISPKNVSDGVKRVRTLLSNERDSKGRDHLGVPDVTVTETPEKNTESLIL  
 SLKMSSSLGKIQVMEKQEKGLTLGVETCGSKGNAEKSMSATEKQERTVMSHGCENFNTRDSVTGKESQGER  
 PHLSLFIPRETTYQFHVSQSSQSLASLATTFLQEKKAQAQNHNCVDPVKALMESPEGQLSLEPKSDSQ  
 FQASHTGCQSPLCSAQRHTPQSPFTNHAAAAGRKTLRSCMGLEWFPPELYPGYLGVLPGKPCWNAQTQ  
 KPQLISPQGERLSQGWIRCNTTIRKSGFGGITMLFTGYFVLCSSWSFRRLKLCRPLPWKSTVPPCIGVA  
 KTTGDCRSKTCLD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**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

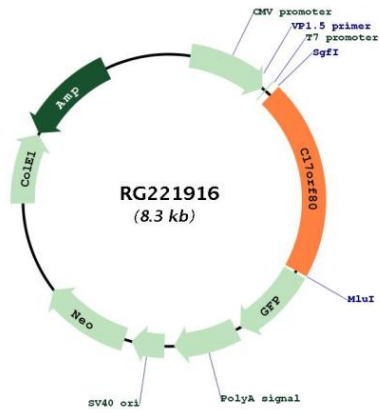
**Locus ID:** 55028

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

**Cytogenetics:** 17q25.1

Protein Families: Transmembrane

Product images:



Circular map for RG221916