

## Product datasheet for **RC239022**

### **C5orf54 (ZBED8) (NM\_001303251) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Product Type:             | Expression Plasmids                                   |
| Product Name:             | C5orf54 (ZBED8) (NM_001303251) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                               |
| Symbol:                   | C5orf54                                               |
| Synonyms:                 | Buster3; C5orf54                                      |
| Mammalian Cell Selection: | Neomycin                                              |
| Vector:                   | pCMV6-Entry (PS100001)                                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                  |



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**ORF Nucleotide Sequence:**

>RC239022 representing NM\_001303251  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGAAGAAACGCAAATGGGATGATGACTATGTTCTGCTACTGGTTACCTGTACAACGGAAGTAGATG  
 GAACTCAGCGTCCACAGTGTGTGTGTGTAAGTCACTATTTTCAAATGCTGACCTCAGACCATCAAACT  
 GTCAGACCATTTTAAACAGACAGCATGGTGGTGTAGCTGGGCATGATCTCAATAGCCTGAAGCATATGCCA  
 GCACCATCTGATCAGAGTGAACCTTGAAAGCATTGGAGTTGCATCTCATGAGGATACTTTATTACAAG  
 CATCGTATCAATTTGCGTATTTATGTGCCAAGGAGAAGAATCCTCATACAGTAGCTGAAAAGTTAGTGAA  
 ACCTTGTGCACTGGAATAGCACAAATAGTTTGGGACCAGATGCACAAAAAAGCTTCAGCAGGTACCC  
 TTATCAGATGATGTGATCCATTCTAGAATTGATGAAATGAGCCAGGATATCTTACAGCAAGTTCTAGAAG  
 ATATCAAAGCCAGTCTCTTAAAGTGGGTATTCAGCTTGTGAGACAAGTACATGGATGACTGCAGTCA  
 GCTAATGGCATTGTGCGCTATATAAAGAAAGAGAGATCGTAGAAGAATTTCTTCTGTGAACCATTTG  
 CAGCTATCCATGAAAGGAATAGATGTGTTCAATCTCTTCAGAGACTTCTTCTGAAGCATAGATAGCAC  
 TTGATGTATGTGGCTCTGTTTGTACTGATGGTGCCTCCTCTATGCTAGGAGAAAATTCAGAGTTTGTTC  
 CTACGTGAAAAAGAGATACCTCATATCGTAGTTACACATTGTTTATTGAATCCTCATGCACTTGTGCATA  
 AAGACATTGCCTACAAAAGTGGGATGCTCTGTTTACTGTGGTGGGTAATAAATTCATCAAAGGGA  
 GAGCTCCAAATCATCGCTATTTTCAGGCTTTCTTTGAAGAAATGGCATAGAATATAGTGTCTCTCTTT  
 CCATACTGAAATGAGGTGGCTTTCCCGAGGCCAAATCTTACTCACATTTTGAATGTATGAAGAAATA  
 AATCAGTTTCTTACCACAAGAGCAGTAATTTAGTTGATGGCTTTGAAAAAAGAGTTTAAATTCACC  
 TAGCATACCTTGAGATTATTCAAACACTTAAATGAAGTCACTGATGATGATGAGGAGGAGTGGGATGAA  
 CACAGTATCAGCTAGAGAGAAGTTATCTGCTTTTGTAGGAAGTTCCATTTTGGCAAAAACGAATTGAG  
 AAAAGAAATTTTACCAATTTCTTTTCTTGAAGAAATTAATTGTTTCAGATAATGAAGGCATATTATTG  
 CAGCTGAAATAACACTGCATCTGCAACAATTGAGCAACTTCTTCCATGGATATTTTCCATTGGAGATCT  
 TAATGAGGCAAGTAAATGGATATTGGATCCATTCTTTTAAATATCGATTTTGTGATGATGATTATTTA  
 ATGAAAAATGATCTTGTGAATTACGAGCTAGTGGCCAAATCCTAATGGAATTTGAGACAATGAAGCTTG  
 AGGATTTCTGGTGTGCCAATTCACAGCATTTCCAAACCTGGCAAAGACAGCTCTAGAAATCCTTATGCC  
 ATTTGCAACTACATACCTTTGTGAGTTGGGATTTTCATCACTTTTACATTTCAAACAAAGTCCAGAAGC  
 TGCTTTAATCTGAGTGATGATATCCGTGTGGCTATTTCAAAAAAGTTCTCGTTTCTCGGACATCATTG  
 AACAAAAGCTACAGCTACAGCAGAAGTCACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239022 representing NM\_001303251  
 Red=Cloning site Green=Tags(s)

MSKKRKWDDDYVRYWFTCTTEVDGTQRPQCVLCNSVFSNADLRPSKLSDFHNRQHGGVAGHDLNSLKHMP  
 APSDQSETLKAFGVASHEDTLQASYQFAYLCAKEKNPHTVAEKLVKPCALEIAQIVLGPDAQKKLQQVP  
 LDDVIHSRIDEMSQDILQQVLEDIKASPLKVGILQLAETDMDDCSQLMAFVRYIKEREIVEEFLFCEPL  
 QLSMKGIDVFNLFDRDFLKHKIALDVCGSVCTDGASSMLGENSEFVAYVKKEIPHIVVTHCLLNPHALVI  
 KTLPTKLRDALFTVVRVINFIKGRAPNHRFLQAFEEIGIEYSVLLFHTEMRWLSRGQILTHIFEMYEEI  
 NQFLHHKSSNLVDGFENKEFKIHLAYLADLFKHLNELSASMQRGMNTVSAREKLSAFVRKFPFWQKRIE  
 KRNFNTNFPFLEEIIIVSDNEGIFIAAEITLHLQQLSNFFHGYFSIGDLNEASKWILDPFLFNIDFVDDSYL  
 MKNDLAEELRASGQILMEFETMKLEDFWCAQFTAFPNLAKTALEILMPFATTYLCGLGFSSLLHFKTKSRS  
 CFNLSDDIRVAISKVPRFSDIIEQKLQQLQKSL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001303251

**ORF Size:** 1782 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001303251.1](#), [NP\\_001290180.1](#)

**RefSeq Size:** 2931 bp

**RefSeq ORF:** 1785 bp

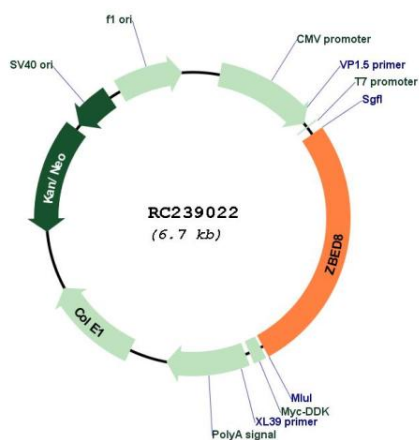
**Locus ID:** 63920

UniProt ID: Q8IZ13

Cytogenetics: 5q33.3

MW: 68.8 kDa

## Product images:



Circular map for RC239022