

## Product datasheet for RC219907

### C6orf89 (NM\_152734) Human Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | C6orf89 (NM_152734) Human Tagged ORF Clone                                  |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | C6orf89                                                                     |
| Synonyms:                 | BRAP; PS1TP5TP1                                                             |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-Entry (PS100001)                                                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                        |
| ORF Nucleotide Sequence:  | >RC219907 representing NM_152734<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGATTTTATATTGGAAGACATGGATCTTGCTGCCAACGAGATCAGCATTTATGACAACTTTTCAGAGA  
 CTGTTGATTTGGTGAGACAGACCGGCCATCAGTGTGGCATGTGAGAGAAGGCAATTGAAAAATTTATCAG  
 ACAGCTGCTGGAAGAATGAACCTCAGAGACCCCCCGCAGTATCCTCTCCTTATAGTTGTGTATAAG  
 GTTCTCGAACCTTGGGATTAATCTTGCTCACTGCCTACTTTGTATTCAACCTTTCAGCCCATAGCAC  
 CTGAGCCAGTGCTTTCTGGAGCTCACACCTGGCGCTCACTCATCCATCACATTAGGCTGATGTCCTTGCC  
 CATTGCCAAGAAGTACATGTGAGAAAATAAGGGAGTTCCCTCTGCATGGGGGTGATGAAGACAGACCTTT  
 CCAGACTTTGACCCCTGGTGGACAAACGACTGTGAGCAGAATGAGTCAGAGCCCATTCTGCCAACTGCA  
 CTGGCTGTGCCAGAAACACCTGAAGGTGATGCTCCTGGAAGACGCCCCAAGGAAATTTGAGAGGCTCCA  
 TCCACTGGTGATCAAGACGGGAAAGCCCTGTTGGAGGAAGAGATTACAGATTTTTTGTGCCAGTACCCT  
 GAGGCGACAGAAGGCTTCTCTGAAGGTTTTTCGCCAAGTGGTGGCGTGCTTTCTGAGCGGTGGTTCC  
 CATTTCTTATCCATGGAGGAGACCTCTGAACAGATCACAAATGTTACGTGAGCTTTTCTGTTTTCAC  
 TCACCTGCCATTTCCAAAAGATGCCTCTTTAAACAAGTGCTCCTTTCTTACCCAGAACCTGTTGTGGG  
 AGTAAGATGCATAAGATGCCTGACCTATTTATCATTGGCAGCGGTGAGGCCATGTTGCAGCTCATCCCTC  
 CTTCCAGTGCCGAAGACATTGTCACTGTGGCCATGCCAATAGAGCCAGGGGATATCGGCTATGTGCA  
 CACCACCACTGGAAGGTCTACGTTATAGCCAGAGGGGTCCAGCCTTTGGTCATCTGCGATGGAACCGCT  
 TTCTCAGAACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC219907 representing NM\_152734  
 Red=Cloning site Green=Tags(s)

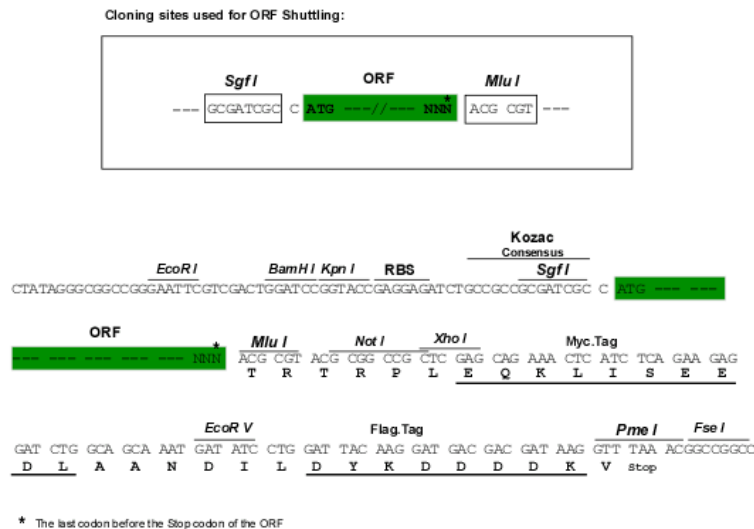
MDFILEDMDLAANEISIDYDKLSETVDLVRQTHQCGMSEKAIEKFIRQLLEKNEPQRPPQYPLLIVVYK  
 VLATLGLILLTAYFVIQPFSPLAPEPVLGAHTWRSLIHHIRLMSLPIAKKYMSENKGVPLHGGDEDRPF  
 PDFDPWWTNDCEQNESEPIANCTGCAQHLKVMLEDAPRKFERLHPLVIKTGKPLLEEEIQHFLCQYP  
 EATEGFSEGFFAKWWRCFPERWFFPYWRRPLNRSQMLRELFPVFTHLFPKDALNKCSFLHPEPVVG  
 SKMHKMPDLFIIGSGEAMLQLIPPFQCRRHCSVAMPIEPGDIGYVDTTHWKVYVIARGVQPLVICDGT  
 FSEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8012\\_e12.zip](https://cdn.origene.com/chromatograms/mk8012_e12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152734

**ORF Size:** 1062 bp

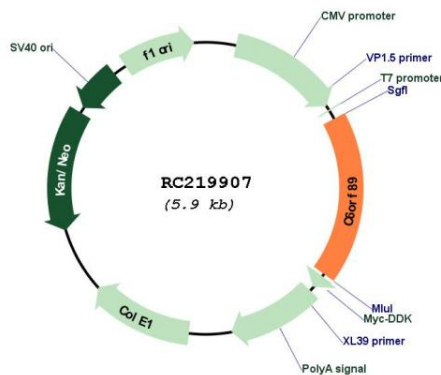
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_152734.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 2271 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1065 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 221477                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q6UWU4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 6p21.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MW:</b>                    | 40.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Exhibits histone deacetylase (HDAC) enhancer properties (PubMed:23460338). May play a role in cell cycle progression and wound repair of bronchial epithelial cells (PubMed:21857995). [UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                  |

## Product images:



Circular map for RC219907