

Product datasheet for **RG219907**

C6orf89 (NM_152734) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | C6orf89 (NM_152734) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | C6orf89 |
| Synonyms: | BRAP; PS1TP5TP1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG219907 representing NM_152734 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTTATATTGGAAGACATGGATCTTGCTGCCAACGAGATCAGCATTTATGACAACTTTCAGAGA
CTGTTGATTTGGTGAACAGACACCGCCATCAGTGTGGCATGTCAGAGAAGGCAATTGAAAAATTTATCAG
ACAGCTGCTGGAAAAGAATGAACCTCAGAGACCCCCCGCAGTATCCTCTCCTTATAGTTGTGATAAG
GTTCTCGAACCTTGGGATTAATCTTGCTCACTGCCTACTTTGTGATTCAACCTTTCAGCCCATTAGCAC
CTGAGCCAGTGTCTTCTGGAGCTCACACCTGGCGCTCACTCATCCATCACATTAGGCTGATGTCCTTGCC
CATTGCCAAGAAGTACATGTGAGAAAATAAGGGAGTTCCTCTGCATGGGGGTGATGAAGACAGACCCCTT
CCAGACTTTGACCCCTGGTGGACAAACGACTGTGAGCAGAATGAGTCAGAGCCCATTCTGCCAACTGCA
CTGGCTGTGCCGAGAAACACCTGAAGGTGATGCTCCTGGAAGACGCCCAAGGAAATTTGAGAGGCTCCA
TCCACTGGTGATCAAGACGGGAAAGCCCTGTTGGAGGAAGAGATTACAGCATTTTTTTGTGCCAGTACCTT
GAGGCGACAGAAGGCTTCTCTGAAGGTTTTTCGCAAGTGGTGGCGTGCTTTCCTGAGCGGTGGTTCC
CATTTCTTATCCATGGAGGAGACCTCTGAACAGATCACAAATGTTACGTGAGCTTTTTCTGTTTTTAC
TCACCTGCCATTTCCAAAAGATGCCTCTTTAAACAAGTGCTCCTTTCTCACCCAGAACCTGTTGTGGGG
AGTAAGATGCATAAGATGCCTGACCTATTTATCATTGGCAGCGGTGAGGCCATGTTGCAGCTCATCCCTC
CCTTCCAGTGCCGAAGACATTGTCACTGTGGCCATGCCAATAGAGCCAGGGGATATCGGCTATGTCCA
CACCACCCACTGGAAGGTCTACGTTATAGCCAGAGGGGTCCAGCCTTTGGTCATCTGCGATGGAACCGCT
TTCTCAGAACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219907 representing NM_152734
 Red=Cloning site Green=Tags(s)

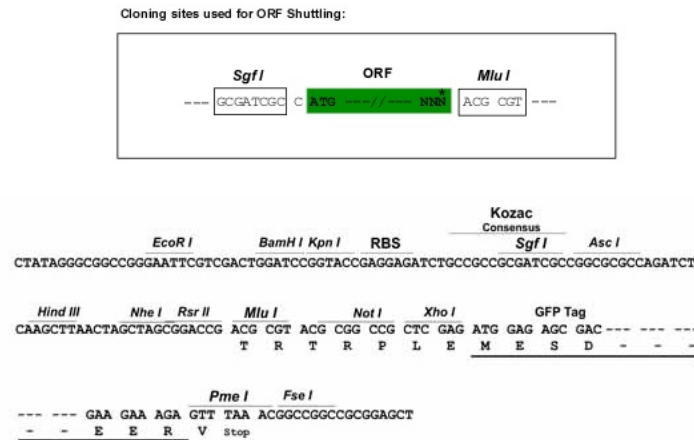
MDFILEDMDLAANEISIIYDKLSETVDLVRQTGHQCGMSEKAIEKFI RQLLEKNEPQRPPQYPLLI VVYK
 VLATLGLILLTAYFVIQPF SPLAPEPVL SGAHTWRSLIHHIRLMSLPIAKKYMSENKGVPLHGGDEDRPF
 PDFDPWWTNDCEQNESEPI PANCTGCAQKHLKVM LLEDAPRKFERLHPLVIKTGKPLLEEIQHFLCQYP
 EATEGFSEGFFAKWWRFCFPERWFPFPYWRRLNRSQMLRELFPVFTHLPFKDASLNKCSFLHPEPVVG
 SKMHKMPDLFIIIGSGEAMLQLIPPFQCRRH CQSVAMPIEPGDIGYVDTTHWKVYVIARGVQLVICDGTA
 FSEL

TRTRPLE - GFP Tag - V

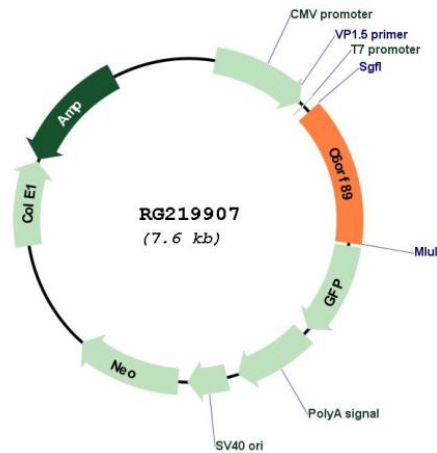
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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). |
| Reconstitution Method: | <ol style="list-style-type: none">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_152734.4 |
| RefSeq Size: | 2271 bp |
| RefSeq ORF: | 1065 bp |
| Locus ID: | 221477 |
| UniProt ID: | Q6UWU4 |
| Cytogenetics: | 6p21.2 |
| Protein Families: | Transmembrane |
| Gene Summary: | 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] |