

Product datasheet for **RC237619**

C6orf89 (NM_001286635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf89 (NM_001286635) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf89
Synonyms:	BRAP; PS1TP5TP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237619 representing NM_001286635 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCTTGCTGCCAACGAGATCAGCATTTATGACAACTTTCAGAGACTGTTGATTTGGTGAGACAGA
CCGGCCATCAGTGTGGCATGTGAGAGAAGGCAATTGAAAAATTTATCAGACAGCTGCTGGAAAAGAATGA
ACCTCAGAGACCCCCCGCAGTATCCTCTCCTTATAGTTGTGTATAAGTTCTCGCAACCTTGGGATTA
ATCTTGCTCACTGCCTACTTTGTGATTCACCTTTCAGCCATTAGCACCTGAGCCAGTGCCTTCTGGAG
CTCACACCTGGCGCTCACTCATCCATCACATTAGGCTGATGTCCTTGCCATTGCCAAGAAGTACATGTC
AGAAAAAAGGGAGTTCCTCTGCATGGGGGTGATGAAGACAGACCCTTTCAGACTTTGACCCTGGTGG
ACAAACGACTGTGAGCAGAATGAGTCAGAGCCATTCTGCCAAGTGCCTGGTGTGCCAGAAACACC
TGAAGGTGATGCTCCTGGAAGACGCCCCAAGGAAATTTGAGAGGCTCCATCCACTGGTGTCAAGACGGG
AAAGCCCCTGTTGGAGGAAGAGATTCAGCATTTTTGTGCCAGTACCCTGAGGCGACAGAAGGCTTCTCT
GAAGGGTTTTTCGCAAGTGGTGGCGTCTTTCCTGAGCGGTGGTCCCATTTCTTATCCATGGAGGA
GACCTCTGAACAGATCACAAATGTTACGTGAGCTTTTCTGTTTCACTCACCTGCCATTTCCAAAAGA
TGCTCTTTAAACAAGTGCCTTTCTTACCCAGAACCCTGTTGTGGGGAGTAAGATGCATAAGATGCCT
GACCTATTTATCATTGGCAGCGGTGAGGCCATGTTGCAGCTCATCCCTCCCTCCAGTGCCGAAGACATT
GTCAGTCTGTGGCCATGCCAATAGAGCCAGGGATATCGGCTATGTCGACACCACCCTGGAAGGTCTA
CGTTATAGCCAGAGGGTCCAGCCTTTGGTCATCTGCGATGGAACCGCTTCTCAGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237619 representing NM_001286635
 Red=Cloning site Green=Tags(s)

MDLAANEISIDYDKLSETVDLVRQTHGQCGMSEKAIEKFIHQLEKNEPQRPPQYPLLIIVVYKVLATLGL
 ILLTAYFVIQPF SPLAPEPVL SGAHTWRSLIHHIRLMSLPIAKKYMSENKGVPLHGGDEDRPFPDFDPWW
 TNDCEQNESEPIPANCTGCAQKHLKVMLEDAPRKFERLHPLVIKTKPLLEEEIQHFLCQYPEATEGFS
 EGFFAKWWRCFPERWFFPYPWRRPLNRSQMLRELFPVFTHLPFKDASLNKCSFLHPEPVVVGSKMHKMP
 DLFIIGSGEAMLQLIPPFQRRHCQSVAMPIEPGDIQYVDTTHWKVYVIARGVQPLVICDGTAFSEL

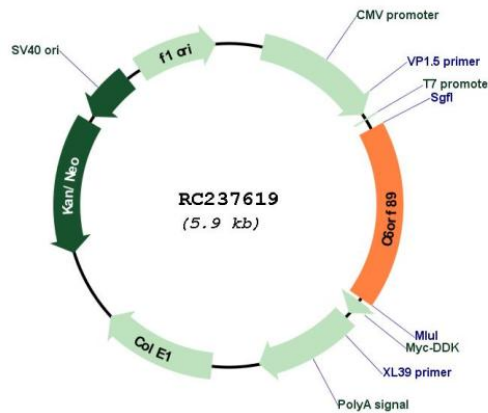
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286635

ORF Size: 1041 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_001286635.2
RefSeq Size:	6867 bp
RefSeq ORF:	1044 bp
Locus ID:	221477
UniProt ID:	Q6UWU4
Cytogenetics:	6p21.2
Protein Families:	Transmembrane
MW:	40.3 kDa
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]