

Product datasheet for **RC236419**

C1orf43 (NM_001297723) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf43 (NM_001297723) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1orf43
Synonyms: HSPC012; NICE-3; NICE3; NS5ATP4; S863-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236419 representing NM_001297723
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCGTCCGGCAGTAACTGGCTCTCCGGGTGAATGTCGTGCTGGTGATGGCCTACGGGAGCCTGGTGT
TTGTAAGGCAAAATCATGCGCTTTGCAATGAAATCTCGAAGGGGACCTCA
TGTCCTGTGGGACACAATGCCCAAGGACTTCAAAGAGGAGATTGATATTCGACTCTCCAGGGTTCAG
GATATCAAGTATGAGCCCGACTCCTTGCAGATGATGCTAGACTACTACAACCTGGAAACCCAGGGAA
ATCAAAGTTGCTACAACATCTGTATAGGATGAAAGCTCTGGATGCCATTTCGTACCTCTGAGATCCATT
TCATTCTGAAGGCCGGCATCCCCGTTCTTAATGGGCAAGAATTTCCGCTCTACCTGCTGGATCTGCGA
AACACTAGTACGCCTTTCAAGGGTGTACGCAAAGCACTCATTGATACCCTTTGGATGGCTATGAAACAG
CCCGCTATGGGACAGGGGTCTTTGGCCAGAATGAGTACCTACGCTATCAGGAGGCCCTGAGTGAGCTGGC
CACTGCG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC236419 representing NM_001297723
Red=Cloning site Green=Tags(s)

MASGSNWL SGVNVVL VMAYGSL VFVLL FIFVKRQIMRFAMKSRRGPHVPVGHNAPKDLKEEIDIRLSRVQ
DIKYEPQLLADDDARLLQLETQGNQSCYNLYRMYKALDAIRTSEIPFHSEGRHPRSLMGKNFRSYLLDLR
NTSTPFKGVKALIDTLLDGYETARYGTGVFGQNEYLRVYQALSELATA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

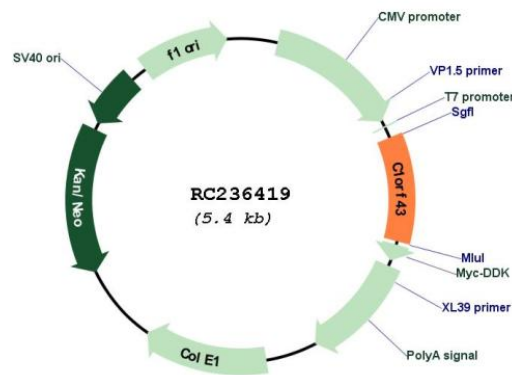
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001297723

ORF Size: 567 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_001297723.1](#), [NP_001284652.1](#)

RefSeq Size: 1815 bp

RefSeq ORF: 570 bp

Locus ID: 25912

UniProt ID: [Q9BWL3](#)

Cytogenetics: 1q21.3

Protein Families: Transmembrane

MW: 22 kDa

Gene Summary: General regulator of phagocytosis. Required to uptake Gram negative bacterium by macrophages.[UniProtKB/Swiss-Prot Function]