

Product datasheet for RC238357

C9orf43 (NM_001278629) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C9orf43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC238357 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTTGCCAGATGAGAGCCAGTGGGACGAAACCACCTGTGGCTTGGCTGTTTGTGAGCAGCCACAAT
GCTGGGCACTATCCGCCGATTGAGAGGGCCATCCTCGAATCCTCGGCTCATCTGCAAACTCCCT
GGATGCTGAAGATAAACTCCCAGTGCTCACCGTGGTAGACATCTTAGATTCCGGCTTTCAGCTCATCAT
TTACCAAGATGTACCTTTACTAAGGCCATTCTTTATTGTCTCAGAGTTCAAAGTTTACTCCAAATTTT
ATGGCAGGCCTCCGAAGGGTTACCTGACAAAAGTTTATCAACTGTACTAACAGACTTCCCAAATTTCC
AGTGTGTAATTTGAATGAGACGCACTTCCCTGCCCTGAAGATGTTAGAAATATGGTTGATTGTGGATC
CCAGAAGAAACAGAGATACATGTGAGCCAGCATGGGAAGAAGAAAAGAAAGAACTCGGCAGTGAAAAGCA
AGTCATTTCTGGGTCTCTCTGGAATCAGTCCGCAGGAACACGAGTAGGAACACCAGGGATGATCGTGCC
TCCCCAACCCAGTGCAATTGTCTGAACAATTCAGTTCAGATTTCTACCTCTCTGGGCTCAATCCGAA
GCGTTACCTCAGGATCTACTGAAGGAATTTTGCAGGTGGAAGCAAACCATGCTCTGTCCAGAGATGA
AGATAAAATTGGCCATGATGAAAAAGAATCTTCCCTTGAAAAAGAACCGACCTGACAGTGTGATTTCTTC
TAAGATGTTTCTATCTATACACCGCTCACCTGGAAAGACCAAGCACTGCGATATCCTGAACGTTTGAAG
AAATTACATAACCTGAAGACAGAAGTTACAGGAACAGCAGCAGCGGCAGCAGCAGCAGCAGCAAC
AGAAGAAGTGAAAACACCTATTAAGAAACAGGAGGCTAAAAAGAAAGCCAAGAGTGATCCAGGGATCCA
GAGCACTTCACATAAACATCCAGTTACCACCGTTCATGACCGTCTCTATGGTTACAGAACTCTGCCAGGT
CAGAACAGTGACATGAAGCAGCAGCAGCAGATGAAAAAGGAACCACTTCGAAACAGGATTCACAGGAGA
GACCAAGATGAACTACTATGACCATGCGGATTCCACCACAGTGTAAAAAGTCTGAATTGTATGAAAC
AGAACCCTAACAAGGACATTAGTGCTCAGTGGACGCTGTGCCAGAAGCCAGGCTGCCAGGCAAAAG
AAGATCTCTTTAACTTTTCAGAAATTATGGCTAGCACAGGCTGGAAGCTGAGCTCAAACCTACTTAGGA
TTCTTCAGGACACTGATGATGAGGATGAGGAGGACAGTCCTCTGGGGCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC238357 protein sequence
 Red=Cloning site Green=Tags(s)

MDLPDESQWDETTCLAVCQHPQCWATIRRIERGHPRILGSSCKTPLDAEDKLPVLTVVDILDSGFAAHH
 LPECTFTKAHSLLSQSSKFYSKFHGRPPKGLPDKSLINCTNRLPKFPVLNLNETQLPCPEDVRNMVVLWI
 PEETEIHVSQHGKKRKNSAVKSKSFLGLSGNQSAGTRVGTGPMIVPPPTPVQLSEQFSSDFLPLWAQSE
 ALPQDLLKELLPGGKQTMLCPEMKIKLAMMKKNLPLEKNRPDSVISSKMFLSIHRLTLERPALRYPERLK
 KLHNLKTEGYRKQQRQQQQQQQKKVKTPIKKQEAKKKAKSDPGIQSTSHKHPVTTVHDLRYGYRTLPG
 QNSDMKQQQMEKGTTSKQDSTERPKMNYDADFHHSVKSPELYETEPTNKDISAPVDAPVPEAAARQK
 KISFNFSEIMASTGWNSLKLRLQDTDEDEEDQSSGAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

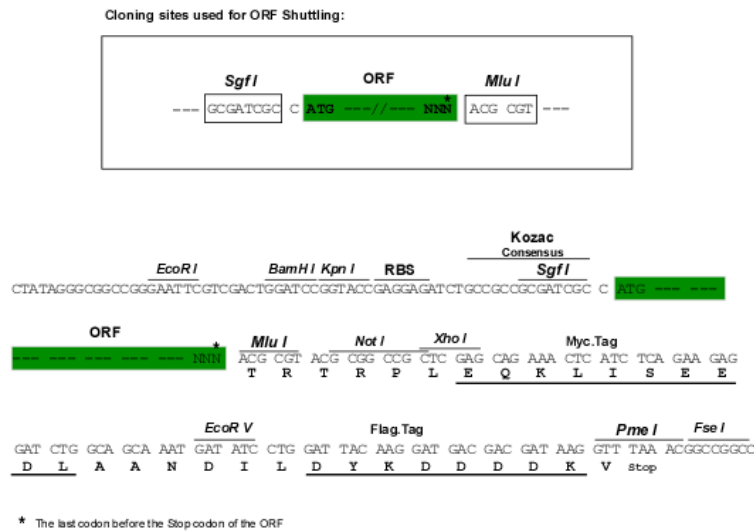
Chromatograms:

https://cdn.origene.com/chromatograms/mk6523_f03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001278629

ORF Size:

1383 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_001278629.2](#)

RefSeq Size: 2091 bp

RefSeq ORF: 1386 bp

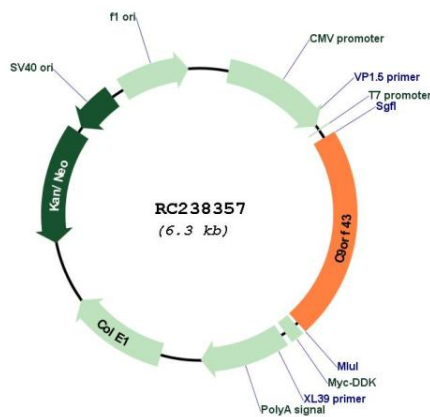
Locus ID: 257169

UniProt ID: [Q8TAL5](#)

Cytogenetics: 9q32

MW: 52.2 kDa

Product images:



Circular map for RC238357