

Product datasheet for **RC210913**

C12orf51 (NM_173813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf51 (NM_173813) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C12orf51
Synonyms:	AF-1 specific protein phosphatase; chromosome 12 open reading frame 51; DKFZp586O1022; FLJ10510; FLJ30092; FLJ30208; FLJ34154; FLJ34154, MGC126531; KIAA0614; MGC126531
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC210913 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCATACACCAACTCAATCTTCTTCCACCAACCCCAATCTTCCAATCACAAGTGTCTTGGCAAGC
AGCATCCAATTGAAGCACATCATCTTAGCAGTATTTGTGACATTATGGAGAAGGCCATGGTTAATGGAGA
TACCTGTATTATACGCTGCATTCTCGTTGTCTTTAGGTGGTATTTAAATTTTTCTTACGCCACAACT
GAAAGGAATCGAGACATCATTGACGGTCGGGATTGCTTCTTGGCAGTTGTTGATGGCTCCAAAAGATC
AAATTTGCCCTGAAATTCAGAAGGAAGTCTGCCTTGCATCAGCTCTGGTTTAAATATCTGTACCCAGG
TGAAACTGAAATCAATAACTTACTTAACTGGTCTTAACAGAAGGAGAGAAAACAGTGGACTCTCCAG
CTACGGGATGTGATCCTAACCAACCTGGCTGAACAGCTCCAAAACAACCGATTTGGCAGTGATGAGGATG
ATCATTACAGACTAAATGATGAACCTTTACACTACATTCTGAAGATTGTTGTACGAGAATCTGTATCTT
AATCACCAGTGCCAACTGTCTCTAAAGATGATTTTCAAAGCTCCTTCAACTGTGCCTGCTGCATCC
TCTGCTGCGCTATCTGATGGCAGTTCAGAATCACCTTCTCAGTAACACTATTTTGATTAACCTGATG
AGAATGATGACAGTGACAGCTCCTTGCAGGGAGAGACATTGAAGGTACAGGAGCTAAAAGTCAGTATTT
GGCTCTTGCCACCCAAATCCTGACTGGATGTGATGAAGTGTGGAAATGCTACAGCAGGTACAACCTGCC
CTCATAAATAGTGACATAGCAGACCGTGAGCAGAGGTTAAAAGGCTTGGAAACAAGTTACTAAGGCTACTA
TGCTTGGTCACCTTCTCCAGTGTACTGACCTCCTTGATGCATCCAAATTTACAGACTCTGATCATGGC
GGATGCCCTGATGCCTCAGCTAGTGCAGCTGGTACTCTATACCAGCCAGACGGCGTTGCTGCTTAAACC
CAGTGTCCGGTTTTGCTGAGGTGGCTGTTCCCGTGTGGTGCACCAGACCAGAAGTGCAGGCTGTTCC
CTGATGAGAGAAATGTTAGAAGAGAAGGAAGGCCAGGATTTCTCACTGGTTTAAAGATTCTGCCCATG
GGCTGCTGGAAGACTGTGGAACAGTCCACCCGTCAGAGACAACATAAATTTAAAGAAACGGTCCAT
ATCCCAGGAGCTCGCTGCCTGTACCTTAGATTTGATAGCAGATGCTCTTCGCAATATGACTATGACAAAT
TGGTGATATATGCGGGCCTAACACAAACAGTAGGAAGTTGCTGAATATGGAGGCAACACACTGGGATA
TGGCAGCCGTAGTGTCTTAGGAAGTGGTGGCCGAAAGACTTGGTGAAGGTGGAAGGAGATACAGTCACC
TTCTCCTTTGAAATGAGAAGTGGCCGTGAACACAACACTCCTGATAAAGCCATGTGGGGCTTTGCTTGCA
CAGTTCGCGCTCAGGAGTCTTCGGAGGATGTCTCAGGAGGCTTGCCTTTCTGGTAGACCTGGCTTAGG
TCTGTCTGTGTTAGCTTGTCCATGTTAAGAATCCTGTACAATGGACCAGAAATTACCAAGAAGAAGAA
GCCTGTCAGGAGCTATTGCGGTCCAACTTTTACAAGGTGCCAGTGGCAGGTGGAGGCCAATGGCGTGA
TCTCCCCTGCCCTTACTCCGAGCCCTCTCCACTGCCTCTGACCATAGAGGAAGACAGAGAATTCACCTA
CCCCTCTGATGTCTCGTGCCTCCTGTTGGAACTACTTTGATCTGCCTCGGATCAGACTGCCTCCAGGA
ATCATGATAAAGCTCAGGGAAATTTCTGGGCGTCTAGACCTCAATTTAGACCAAGTATAAAGTATGTTG
CTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210913 protein sequence
 Red=Cloning site Green=Tags(s)

MCIHQNLNLLATNPPLPITSVLGKQHPIEAHLSSICDIMEKAMVNGDTCIIRCILVVFQVVFKFFFSPQT
 ERNRDIIRRSGLLLWQLMAPKDQICPEIQKEVCLAISSGLNILYPGETEINNLLKLVLEGERNSGLSQ
 LRDVILTNLAEQLNRFQSDDEDDHYRLNDELLHYILKIVVRESCILITKCQTVSKDDFQKLLSTVPAAS
 SCLRYLMAVQNHLLSNTILIKPDENDDSSSLQGETLKVQELKVSILALATQILTGCDEVLEMLQQVTTA
 LINSDIADREQRLKGLEQVTKATMLGHLLPVLLTSLMHPNLQTLIMADALMPQLVQLVLYTSQTALLLKT
 QCPVFAEVGCSPCGAPDQKCRFLPDERMLEEKEEPGFLTGLKIPAPWAAGKTVEVHPVRDNYKFKETVH
 IPGARCLYLRFDSSQYDYDKLVIYAGPNTNSRKVAEYGGNTLGYGSRVLTGWPKDLVKVEGDTV
 FSEMRSGREHNTPKAMWGFACVRAQESSEDSVGGPLVLDLALGLSVLACSMRLILYNGPEITKEEE
 ACQELLRSKLLQRCQWQVEANGVISPALTPSPSPLPLTIEEDREFTPSDVLPVPPVGNFYDLPRIRLPPG
 IMIKLREISGRARPQFRPSIKYVAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6711_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173813

ORF Size: 1965 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_173813.2](#), [NP_776174.1](#)

RefSeq Size: 2694 bp

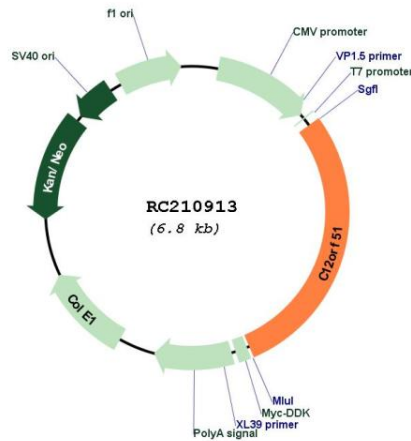
RefSeq ORF: 1967 bp

Locus ID: 283450

Cytogenetics: 12q24.13

MW: 73.2 kDa

Product images:



Circular map for RC210913