

Product datasheet for **RC206183**

C3orf19 (CCDC174) (NM_016474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3orf19 (CCDC174) (NM_016474) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC174
Synonyms:	C3orf19; ctr1; HSPC212; IHPM; IHPMR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC206183 representing NM_016474
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCGTAGGAAAAAGCCTTTGGACGTCACGGCCTCCTCGTTGGTAGATCTTAAGGCTGAACCTTCC
GAAAGCAAGAAGAATTCAAACAAGAAAACTTCTAAAAGATTCTGGAGTTTTTGGAAAAACAAAAACAAC
TAACAAGAAACCAAGTATCTGGAGCAAACAAGATGTAGGCGTTTTCAAATCGAGCTGAGAAGGATGCTGAA
CAGAAGATTGAAGAACAGAAGACTTTAGACAAAGCAAGGAAAAATTGGAAGAAAAAGCCAAATTATATG
AAAAATGACTAAAGGAGACTTTATAGATGAAGAAGTAGAGGATATGTACCTTGTGGATTCACACAGAA
GATCATAGACAAGCGCAAAGAAATGGAGGCATCTGGTCCCATAGAGATTCTCAAAGGCAGGAGAAAGG
GACGACGATGAGGAAAACCTTCTGAGGGAGAGATCCCTCCTCCCAAGACCCAGTGAAGAATGGGTGG
ATTACGTGGACTCTTTGGGGCGTCCCGCGCTGTATGAGAAAGGATTTGCCAGATCTGCTGGAGATGGA
TAAAAATCTTCAGGGGAGACTTTTTATTAGTCCTGCTAATGAAAAACCTATTATCTGAAGATATGAGA
AAAGAACTTCAGCGCCAGCAATGGGAGGAAGAAGAAAGAGAGGCCCTGAAGAGGCCCATGGGGCCGTAC
ATTATGAAGACATTCGGGAAAAATGAGGCCCGGCAACTTGGTGTGGGTATTTGCCTTTGCCCGAGACAA
AGAGTTGAGAAACAAGCAGATGAAAACCTTAGAGATGCTGCGTGAACAGACAACAGATCAGAGAACAAAA
CGAGAAAAATAAAGGAAAAGCGAAAGGCTATCTTAGAGGCAAGACTTGCCAACTTCGACAAAAAAGA
TGAAAAATCAAAGAAGGTGGAACAGAAGAAGAAAATAGAGATGGAGATGTTATTGGGCCCTTGGCCACC
GGAGCCAGAGGCTGTGCCAACCCACGTCCTGCTGCCAGAGTAGCAAAGTAGAAGTCATTGTCCAGGAG
AGGAAGGACACCAAGCCTGGAGTGCCACACATCCGGGAGTGGACCGCGGAAAAGAAATTTTCTTTGGAT
ACTGGTCAAGAGGCAGTCAGATCTCCGGGCTGAGAGAGATCTGAGTTTGCCCGCCGTCAGATTACTT
TGTGGGTCAGAAGAGAAGCTGGTTTTTCCAGCAGCCAGGCATGGAGCAGACCTGGGCCAGCACAGATGAC
CCAGGGCAGTGCCCTGACCAGAGCCACGGACCTAGCCCTGAACATACGTACCCACTCTGCCCCGACAA
ACCCACCACAAGCCCCACAGTTACTTTCAAACCTCTGGATGACATGATTTCTATTACAAACAAGTGAC
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206183 representing NM_016474
Red=Cloning site Green=Tags(s)

MDRRKKPLDVTASSLVDLKAELFRKQEEFKQEKLKDSGVFGPKTTNKKPSIWSKQNVGVSNAEKDAE
QKIEEQKTLDKAREKLEEKAKLYEKMTKGDFIDEEVEDMYLVDFQKIIDKRKEMEASGAHRDSQKAGER
DDDEENLPEGEIPPPQDPSEEWVDYVDSLGRSRRCMRKDLPDLEMDKNLQGRFISPANEKTLLEDMR
KELQRQWEEEREALKRPMGPVHYEDIRENEARQLGVGYFAFARDKELRNKQMKTLEMLREQTTDQRTK
RENIKEKRKAILERLAKLRQKKMKKSKEGGTEENRDGDVIGLPPPEAVPTPRPAAQSSKVEIVQE
RKDTKPGVPHIREWDRGKEFSFGYWSKRQSDLRAERDPEFAPPSDYFVGQKRTGFSSSQAWSRPGPAQSD
PGQCPDQSHGPSPEHTSPTPAPDNPPQAPTIVTFKTLDDMISYYKQVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8113_b06.zip

Restriction Sites:

Sgfl-Mlul

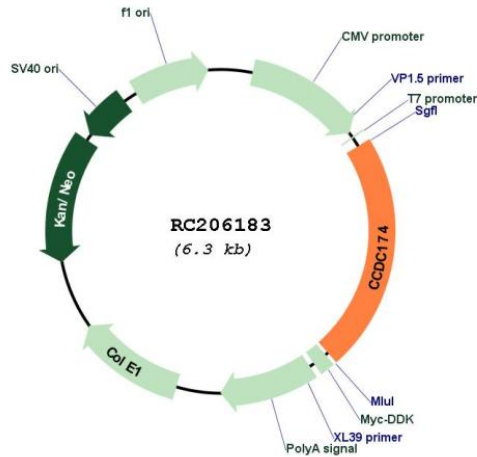
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_016474

ORF Size: 1401 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.

RefSeq: [NM_016474.5](#)

RefSeq Size: 2975 bp

RefSeq ORF: 1404 bp

Locus ID: 51244

UniProt ID: [Q6PII3](#)

MW: 53.8 kDa

Gene Summary: The protein encoded by this gene is found in the nucleus, where it interacts with eukaryotic translation initiation factor 4A, isoform 3. The encoded protein appears to be a part of the exon junction complex, which is involved in RNA processing, translation, and nonsense-mediated mRNA decay. A mutation in this gene has been associated with infantile hypotonia with psychomotor retardation. [provided by RefSeq, Mar 2016]