

Product datasheet for **MR212387**

Cfap45 (NM_027972) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfap45 (NM_027972) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cfap45
Synonyms:	1700028D05Rik; Ccdc19; Nesg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR212387 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCCACTAAGGCCAGGGGATGCCTCAAGCTCTGCTTCCACCGCTTCCAACCGGTACGGACTAGGACTC
 GCTATCGGACCAAGCCATGAACCTCTGAGGTAGACGAGAGCCTCTTTGGAGGTGTCAAGCCTTCATCCCA
 GGGCAAGAGCGACAGCCCTATTGTGGTGATCCATGATAAACACGCTATCCGGAAGCTCTCAGTGCTCTG
 GGCTTGGAGCACAGACGGAGACGATCCAGCTCATCACTAGAGACATGGTCAGAGAACTATTGTTCCCA
 CAGAGGACCCCTCTGGGAATCGCTAATCATCAGCCCCGAGGAGTTTGGCGGATCAAAATGGGCATCCCA
 AGTCTGACCAAGAAGAACTGAATGCCAGAGAACAGGCCCTCAAGAAGGAGAAGGAAGGCATCTTGAA
 GCCGTCACAATTCGAAGAAGATTATGAAGCAGAAGGAGATGACTTGAACAATAACAAGAAGCTCAGTG
 ACCTGGAGGAGGTGGCCAGGGAACGGGCCAGAACCTCCTGCAGAGAGCCGACAAGCTCCGTATGGAGCA
 GGAGGAGGAGCTCAAGGACATGAGCAAGATTATTCTGAATGCCAAGTGCCACGCAATCCGGGATGCCAG
 ATTCTGGAGAAGCAGCAGATACAAAAGGAATTGGATGAAGAGGAGAGGCGGTTGGATCACATGATGGAAA
 TAGACCGCGGGAATCCCTCCAAGGCAGGAGGATCGGGAAGGAAAAGGAGGGAGGAGAGTACGGGG
 AAAACGGCACATCGTGGAGCAGATAAAGAAGAACGAGGAGGAGAGATCGCTGCAGGCGGAGCACCGTGAA
 CAGGAGAAGGAGCAGATGCTGGCCTACCTGGACCGGCTCCAGGAGGAGGATTTGCAGGATCTGGAACGAA
 GACATCAGGAAAACTGAAGATGCAAGCTGAAATTAACGTATCAACGATGAAAACAGAGACAGAAAGC
 AGAGATGCTGGCAGGAGAGACTGGCAGACCAGATGGTGATGGAATTTACCAAGAAGAAGATGGCTCGA
 GAGGCAGAGTATGAAGCTGAGCAGGAGAAAAATCCGGAGGGAGAAAGAGAAGGAGATCGCCCGCTGAGGG
 CCTTGCAGGAGAAGGCGCAGGATTATCAAGCAGAGCAGGATGCCTTGGCGGCAAGCGCAACCAGGAGGT
 TGCAGATCGAGAGTGGCGTCGAAAGGAAAAAGGAAATGCGCAGAAGAAGATAGAGACAGAGGAAAAAGCTG
 CGCAAAAGCCGGCTGGAGCAGGTGGCATTCAAGGAACACACGCTGGCCGTTAGGTTACGCTGACCGAG
 ATGAGTTCGAGAGGATCCTTCGGGCTCAGAGAGAGCAGATTGAGAGGGAGAAGCAGGAACAGGAGAAGAA
 AGCCAAGGGTGCCTCCAGCATGCCAACGAGCTCCGACGCGAGGTGCGTGAGAACCAGCAGAAACACGTG
 CAGAACC GGCTCGCTACCTTCGAAGAGGGCCGCCGCTCAAGGAGGAAGCCGAGAAGCGCCGCGAGCGCA
 TCGAGGACATCAAGAAACAGAAGCTGGAAGAGCTGAGAGCCACCGGCCTTCTGAGAAGTACTGCATCGA
 AGTTGAGCGTAAAGCCAACATCCTGCCAGCCACTTCTGTAAAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212387 protein sequence
 Red=Cloning site Green=Tags(s)

MPLRPGDASSASTASNRSRTRTRYRTKAMNSEVDESLFGGVKPSQGSQKSDSPIVVIHDKHAIRKTLALSAL
 GLEHKTETIQLITRDMVRELIVPTEDPSGESLIISPEEFERIKWASQVLKEELNAREQALKKEKEGILE
 AVTIRKKIMKQKEMTWNNKKLSLEEVARERAQNLLQRADKLMEQEEELKDMSKIILNAKCHAIRDAQ
 ILEKQQIQKELDEEERRLDHMEIDRRESLQRQEDRERKRREERVGRHIVEQIKKNEEERSLQAEHRE
 QEKEQMLAYLDRLQEEDLQDLERRHKEKLMQAEIKRINDENQRQKAEMLAQERLADQMVEFTKKKMAR
 EAEYEAQEKEIRREKEKEIARLRALQEKAQDYQAEQDALRAKRNQEVADREWRRKEKENAQKKIETEEKL
 RKSRLQVAFKEHTLAVQVQRDRDEFERILRAQREQIEREKQEKEKKAKGCLQHANELRRQVRENQQKHV
 QNRLATFEEGRRLKEEAERRRERIEDIKKQKLEELRATGLPEKYCIEVERKANILPATSVN

TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDK**V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_027972

ORF Size: 1653 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_027972.1](#), [NP_082248.1](#)

RefSeq Size: 1822 bp

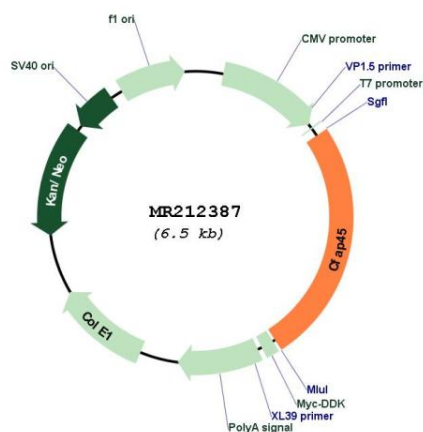
RefSeq ORF: 1656 bp

Locus ID: 71870

Cytogenetics: 1 79.91 cM

MW: 65.8 kDa

Product images:



Circular map for MR212387