

Product datasheet for MR212648

Zfp174 (NM_001081217) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp174 (NM_001081217) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp174
Synonyms:	Gm1754
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212648 representing NM_001081217 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCTAGAATGGAGATAACTTTGAGCACCCACACTGAGGATTCTGACAAGCAAGAGAGACACATAA
TAATGAAGCTGGAAGAAAACCGTGGCCCCCTCAGCAAAAAGCCTATCCTGACCTGAGCTTTCCCGCCA
GGGCTTCAGACACTTTTGTATCAAGAAGTGTCTGGGCCAGGAAGCGCTCTCTGCCTCAACAGCTC
TGCAGACAGTGGCTGCAGCCTGAACTACACACTAAAGAGCAGATTTTGGAGCTCCTGGTATGGAGCAGT
TTCTGGTCATCCTACCTCCAGAGATCCAGGCACAGGTCTGGCATCGGTATCCAAAGAGCAGCAGGGAGAT
TGTGACTCTGGTGAAGATTTGCACAGAACATCCAAAAACCAAAGCAGTGGGTGACTGTTGTATGCAA
GGGCAAAAGGTGCTCTTGAGAAAAACAGGAGCTCAGCTTGTAGAACAAGAACTTCGAGACTTTCAACCCC
AACTCCCAGCAGAGACATTCAGGAGGACTCTCTGGAAGAGCCTTCTGCGAAGGATCTCACGAGCAGCT
GAGTCCTCACCCTGGGAGAAGACTGTCCTCCAGGAACAGTCTCAGATTGACTGAGACAGAGTCTCTCC
AGAATGAGAGGTGACAAGGAAAACCCGAAACAGGAGGAGCAAGAGGAGCAAAGGCATGCACAGTCTTAC
ATGGAAGACCTAAAGGGGTACCCTGCACAGCCCTGAGCAAGAGGGGTGACTGCAAGTATGCCCGATT
GTTGCAATGGCAGGTGAGACCCCAATCTCCCAAGTCACTTGGCCACTACCAGAAACATTGCAGAGAG
CTGGAATATATCAGTAATCCCCTCAGAGGTCACCCGCTGAGAGAGTTAAGAGAAGCAGAGGAGGCCGAA
GAAGAAGCCTGAGTGGCCTCCTGCAGTGTCTTGGTCACCAGGCAGCCACCCAGCCAAGAAACCTTACAG
CTGTGAAGATTGTGGAAAACTTCACGTGGAATTCAGAGCTGAAGCGACACAGGAGAGTGCACACCCGGG
GAGAGACCCTACATCTGCGGGGAGTGTGAAAAGTCTTTGGGAGGCAGTCAACTCTGAAACTGCACCAGA
GAATCCCACTGGGGAGAAACCAACCAGTGCAGCCACTGTGGCAATGCTTTGCGCAAAGCTCCAACCT
CCACCAGCACCACAGGCTCCACCACGGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR212648 representing NM_001081217
Red=Cloning site Green=Tags(s)

MAARMEITLSTHTEDSDKQERHIIMKLEENRGPQQKAYDPPELSRQGRHFHCYQEVSGPQEALSCLQQL
 CRQWLQPELHTKEQILELLVMEQFLVILPPEIQAVVHRYPKSSREIVTLVEDLHRTSKKPKQWTVCMQ
 GQKVLLEKTGAQLVEQELRDFQPQTPSRDIQEDSLEEPSCEGSHEQLSPHHWEKTVLQEPVLRLET
 RMRGDKENPKQEEARGAKACTVLHGRPKGGTLHSPEPRGVTASDARLLQWQVRPPQSPKSLAHYQKHCRE
 LEYISNPLRGHPLRELKRSRGGRRRSLGLLQCLGHQAHPAKKPYSCDCGKNFTWNSSELKRHRVHTG
 ERPYICGECGNCFRQSTLKLHQRIHTGEKPYQCSHCCKFRQSSNLHQHRLHHGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9093_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081217

ORF Size: 1221 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_001081217.1](#), [NP_001074686.1](#)

RefSeq Size: 5942 bp

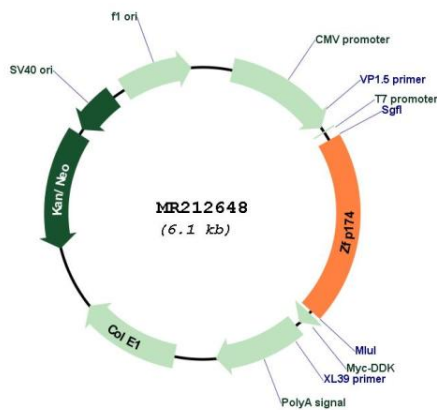
RefSeq ORF: 1224 bp

Locus ID: 385674

Cytogenetics: 16 A1

MW: 47.1 kDa

Product images:



Circular map for MR212648