

Product datasheet for **MR213125**

Zfp72 (NM_001081680) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp72 (NM_001081680) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp72
Synonyms:	Zfp74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR213125 representing NM_001081680, **codon optimized**.
Due to the complexity of NM_001081680, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGAGAACTACAGTAACCTTGTTAGCCTCGGACTGGCCTTCTCAAACCTTATCTGGTGACATTCC
 TTGAGAAACGCCAGCAGTCATGGGATGTGAAACAGCAGGCTACCGTGGCTACATATCCCGGCACTAAGCC
 CTACAAAATAAAGGAATGTAATAAGACTTTCGTGCGGAAAAGCCTGCTGATCCAGCATCAGCGCGTGCAC
 ACAGGTGAGAAACCTACAAATGTGAGCAGTGCAGCAAGGCATTCTTTCAGCAGCAGTCTGACGCCTC
 ACCAGAGAATCCACACTGGGGAAAAACCTTATAAGTGCAGCAGTGTGGCAAGCCTTCAATTGCAGCAG
 CCACTTGTATAAGCATCAGAGGATCCATACAGGGGAGAAAACCTTACAAGTGTCCAGAGTGTGGCAAAGCC
 TTCAATTGGAGCTCAAGCCTTACGCAGCATCAGAGAATCCACAGCGGTGAGAAAACCTACAAGTGCAGG
 AGTGCAGGCTCAGTTTCAACTGTAGCCATCTCTACAGACATCAGCGCATTACATACGGGTGAGAAAACCTT
 CAAATGCGAGGAGTGCAGAAAGGCTTCAACTGCAGCTCTTATCTCAACTACCACCAGATACTGCATACA
 GGTGACAAGCCCTACAAATGTGCGAATGCGGCAAGGCATTACCATGGTGTCTACCTGACCAGACACC
 AGAGGATCCATACCGGTGAGAAGCCTTACAAGTGAAGCAAGGATGTGACAAGGCCTTCTCAACTGCAGTGC
 AACTTCAACACCAAAGAATCCACAGGTGAGAAGCCCTACAAGTGCAGCAGTGTGGCAAGGCTT
 AACAAACAGTAGCTCTCTGACCCATCATCAACGCATCCACACCGGAGAAAAGCCTTACGAATGCAAGGAAT
 GTGGGAAGGCGTTAATTCCTCCAGTCTCTGAACTATCACACCGGATTACACCGGGGAAAAGCCATA
 TAAATGCGAGGAATGCTCAAAGGCTTCAATAACTTCTCCGCACTGATCCAACACCAGAGAATCCACACA
 GGGGAAAAGCCTTACAAGTGCAGAAAAGTCTCAAAGGCTTCAATAACTGTTCTGCTCTCTCACAAACATC
 AGAGGATTCACACCGGCGAAAACCATACAAGTGTGAGAAATGCGGTGAGGGCTTCAACTGTTCCAGTAA
 CCTGAAACAACACCAGAGAATCCACACGCGGGAGAAGCTGTATTCATGTGAAGATTCAGGAAAAGCCTTC
 AATAATGGAGAGGCGCTGCCTCAGTATCACAGAATTCATACCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213125 representing NM_001081680
 Red=Cloning site Green=Tags(s)

MLENYSNLVSLGLAFSKPYLVTFLEKRQSQWDVKQQATVATYPGTPKYKYKECNKTFVRKSLLIQHQRVH
 TGEKPYKCEQCGKAFSCSSSLTPHQRIHTGEKPYKCEQCGQAFNCSSHL YKHQRIHTGEKPYKCEPCGKA
 FNWSSSLTQHQRISGEKPYKCEECGLSFNCSHL YRHQRIHTGEKLYKCEECGKAFNCSSYLNHYHQLHT
 GDKPYKCRECGKAFMTVSYL TRHQRIHTGEKPYKCECDKAFSNC SALIQHQRHTGEKPYKCECGKAF
 NNSSSLTHHQRIHTGEKPYEKECGKAFNSSSHLNYHHRHTGEKPYKCEESKAFNNFSALIQHQRHT
 GEKPYKCEKSKAFNNCSALSQHQRHTGEKPYKCEKCGQGFNCSSNLKQHQRHTREKLYSCEDSGKAF
 NNGEALPQYHRIHTY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001081680

ORF Size: 1305 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_001081680.1](#), [NP_001075149.1](#)

RefSeq Size: 1629 bp

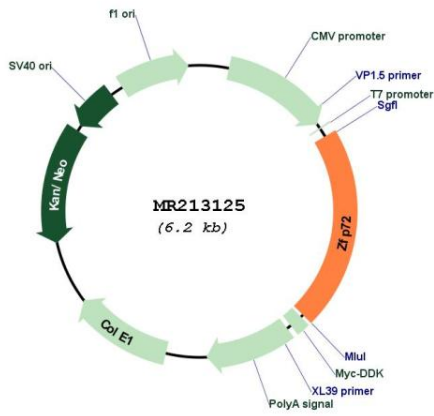
RefSeq ORF: 1308 bp

Locus ID: 238722

Cytogenetics: 13 C1

MW: 50.4 kDa

Product images:



Circular map for MR213125