

Product datasheet for **MR223959**

Zfp790 (NM_001145880) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp790 (NM_001145880) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp790
Synonyms:	6330581L23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223959 representing NM_001145880, **codon optimized**.
Due to the complexity of NM_001145880, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

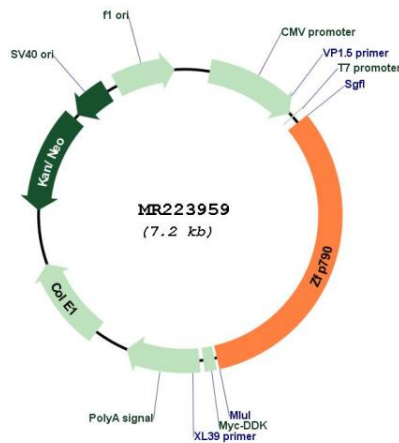
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCACGTCATGACGTTTAGAGACGTTGCAGTCGACTTCTCACCCGAAGAATGGGAGTGCTTGAGCC
 TCGATCAGAAGTCACTGTACAGAGACGTTATGCTGAAAAATTACTCCACCTCGTCTCTGTTGGGCTCTG
 TATATATCAACCTCACGGCTTCCCTGTGCCGAGAAAAGAACAGGATGCTTGCATGGACCTCGAAATGAA
 CCCTCAAGATTCTGCCAGACACAGACAGTAGATGGCAGATGAAAAGGCCCTGAGGACCAATCCACAT
 GTGCCACCCGACTGTCCATTGGGAGGGAATGGGCATGGAACCTAAGCATGGCCTTGACGCTTCTTGCCC
 TGCCGCGGACTGGGAAGGAAAGGTCAAGAACCCACAGAGTGAGAACCAGGAGAAACATTGCAACAG
 ATGACCCTGGCCTGTGACAACTGCCACTGTTGAACCTCCTCACCGCTCTGCAGTGTCCACGCTTGAAGC
 TTGCTGAAAAAATAAGAGGTTAAGAGCGAGAAGAGCTTTTCTTCGCTCCTGAACCGGCAGCTCCA
 GTTGATCCACACCGGGGAGAAATTCGAAGAGGACAAAAAAGGGGCAAGACATCCCTCCGGGCCATAAG
 TTGACCAGATATCGCGCGTGCAGGACGGCAAGAAAGCGTTCCAATGTGATGAGTGTGGCAAAGCCTTCA
 GCTTTCGGAGCTCCCTGACGGGGCATAAGCGGATCCATACCGGCAAAAACCTTTCACCTGTAAGGAGTG
 CGGTAAGCCTTCCGCTTCCACTCCCTGCTCAGCGTTCATGTCCGACACACAGGTGAAAAAGCCTAT
 GAGTGCAAAGCGTGCAGAAAGTTTTTCAATTACTCATCCGATCTGACCCGGCACCATAGAATCCACACCG
 GGGAGAAGCCCTACCAGTGTCCGGAGTGTGAAAAAGCCTTCAGCTGTGGTAGCGACCTGACGCGCCATGA
 ACGGATACACACTGGCGAAAAACCATATGAATGTAATGAGTGTGGGAAAGCATTATCCAGCAGTCACAC
 CTCATCAAACATCAGCGGATTCACACAGGCGAAAAAGCCGTATGTGTGCAAGGAGTGTGGCAAAGCCTTCA
 CTTGCGGTTCTCAGTTGTCTCAACACAGGAAGTCCACACTGGCGACAACTTCACAAATGCAAGGAGTG
 CAAAAATCATTCTTTTGCATTGGACCACCCAGCGACAGCTGATATACATAGTGAGAAATCTTT
 GAGGACAAGGAGAACGGGAAACCTTTTTCTGGTGCAGGATCCCCAGTGCAGAAACCGTACATACCG
 GGAAGAAGTTGTACGAGTCAAGGAGTGTGAAAAAGCCTTTAGCTTGAGATCCATAGTCTCTAGCTTGAA
 AAAAAATCCATAATCGCGAAAAGCTTTTAAATGCAAGACTGTGAAAAAGCCTTTCGGTGTCTTCCGAC
 CTGTCCCAGACATCAGAAAATTCACACGGGTGAAAAAGCCATACAAGTGAAGGAGTGTGAAAAAGGCTTCA
 TTTGCAGATCAGACCTGGGCCGCCATCAGAGGGTACACACAGGAGTCAAGCCGTATGTGTGAAGGAATG
 CGGGAAGGCGTTCACGCGGGGCGCCATCTGACACAGCACCAGAAGATACATAGCAAAAAGTCTCACGAG
 TTTAACGAGGGTGAGAAGGCATTTAGTTCTGGGCTTGAGAATACCCCTCACAGTCTGATACCAACCGGAG
 AAAACTCTGGGAGAGAAAAGAGTACGGCGAGGCGGTGCTGCACGACCCCGAACGGACCCAGCTGCAGGC
 CGCAAAGACAACCTACGATTGTAAGGAGAAGGGTAAAGATTTTCTGGCATAGTCACGACACTGACCTG
 AAGGCCGTGCACATTAGAGAGAAGAGGTTCCAGTGTAAAGGAGTGCCCAAAAGCTTTCAGGTATAGCAGCG
 AGCTCACCCGGCACAGAGGCTGCATACTGGGGAGAAAACCATACAAGTGTCAAGAGTGTGGAAAGGCTTT
 CGCCTCCGCTTCCGATCTCGCCAGACACCAGCGATCCACACGGGTGAGAGGCCCTTACGAATGTAACGAA
 TGCGGTAAGCCTTCAATCAACAGAGTCATCTGATAAAGCACCAGCGAGTGCACAGCGCAGAGCAGCCCA
 AGGACGTGATGAGCGCTGAGAAGCCCTCCCTGGGGTACCAATGCTGCTGAATATGAGGGAAATCACTCT
 GGTCAACAATCTCATCAACCTGCGCTCCGTCCGGGAAGATCCTTCTATGGCTCAGCTGAATCCATGCCAA
 AAAATCTACACCGACAAGAAGCTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

ORF Size:	2337 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:	<ol style="list-style-type: none"> 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:	<u>NM_001145880.1, NP_001139352.1</u>
RefSeq Size:	4435 bp
RefSeq ORF:	2340 bp
Locus ID:	233056
Cytogenetics:	7 B1
MW:	89.4 kDa

Product images:


Circular map for MR223959