

Product datasheet for **MR231324**

Zfp473 (NM_001289838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp473 (NM_001289838) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp473
Synonyms:	D030014N22Rik; zfp-100; Znf473
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR231324 representing NM_001289838
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAGGAAGGAGGACGACCTTAAAGGAGGTTGCTGGAATCAGCCAGCTGTGGCTGAGGAGTTTGAGA
 CCTCAAGGATTTAGCCATGGATTTACCGTGGAAAGACTGGAAGACCTGGAGTCAGAGTGGACCAGAG
 AGACCTGTTCTGGGATGTGACGCTGAACCACTACCAGGACATGTTCTCATTAACTTCGCAACCCAGC
 CTGACTTCCCAGCCAGATGTGAGGGAAGAGCTGGAAGCCACCAGTACTGAAGTGCCTGAGACCAAGAGCT
 CTCCTTTGCAGAGTGGTTTCGTAGAAGAAGACTTCTCCAGATTATGGAGATATTTTCCAACGGGCAACT
 CAACTTTGAAGCCTGTATAGGTGAGGATTGGCTAAATAGTTTTCTCGGAGATCCAGAAAGCTTCCAAGA
 CCTGACATCAGCGACAAGGAAAGCCCCGCGGATCATCAGAGTCTGAGTCCAAGAGCGGCCTCAGTCCTG
 GGCTCCCCTTTGCACAAGAGAGGATGCTGTGATGTCTGCTAGTCTGAAAAGACCCTCACTCCAGTGAT
 ACTGAAGGAATCCAGGAGTGACCTGAGCCAGGAGGACTCTGTCCAGGGACACGAGAAGCCATATAAGTGT
 AGTGAGTGTGGGAAAGCTTCAGCCAGAGTCACCACCTCATCCAGCACTGGGTTCTCCACACCTCAGGGG
 AGCCTCTATATGGCGAGAGCAGCAGCGAGGTCTCAGCCAGGGTCTCACTTTCCATGTGTCCAGGGAC
 TCCAGCAAGCTATGAATCCTACACGTGTGAGGAGTGTGGGAAAAGGTTTAGTCAGAATGTGTACCTCCAG
 TGGCATCAGAAAAATCCACTGGAGAAAAACTTTGTAAACTCAAAGTGACAGCAACCTAGAAGGGCTCT
 CTAGGAGTCCGAGTGTGAGCCAGGAAAGCAGCGGCTGAGTAAAGACTGACTCAGCAAAACCCAGTAC
 CATTACGGGTGAGACCAGGAAAAACCACTACTGGTAAAGTCGTGACCAAGAAAACTGCATGAGAGC
 CAGCCTGGTGACAGGCCATCCGTTCTTCATCCAAGCCTTTAGGCATCAGAAGACTCCTACAAACGCTA
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 TGCTGAAGAAAGGCACTTTGGCTGTGCTAAATGCAAGGAGACCTTCATCTATAAAGAACAGCTAGAGCGG
 CACAATAAAATCCACACCATCGAGGGCTTGTATGAGTGTAAAGCAGTGTGGAGAACACTTCATTTGAGGT
 CAACTCTGAATGCCACCTGAGCATACACATTAGAGAAAATACAAGTGAAGAAAGTTGTGGGTGAGAACTC
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 CAAGGCCAAACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231324 representing NM_001289838
 Red=Cloning site Green=Tags(s)

MERKEDDLKGGCWNQPAVAEEFETLKDLAMDFTVEDWKDLESEWDQRDLFWDVTLNHYQDMFSFNTSQPS
 LTSQPDVREELEATSTEVPETKSSPLQSGFVEEDFSQIMEIFSNQQLNFEACIGEDWLNFLGDPESLPR
 PDISDKESPADHQSPESKSGLSPGPPLCTREDAVMSASPEKTLTPVILKESRSDLSEQEDSVQGHEKPYKC
 SECGESFSQSHHLIQHWLHTSGEPIIWREQQRGLSQGAHFPMCPGTPASYESYTCQECGKRFQNVYLQ
 WHQKIHTGEKLCCKTQSDSNLEGLSRSPSVEPGKQRLSKDTSAPKSTIHGQDQEKPPPTGESRDQENLHES
 QPGDRPSVLHPKPLRHQKTPNAKCFRCKKCGETFSGAFHLAKHQRAHAQRLYKASCAPAVFNLSKHCFQ
 HRKSHFPSAAACECQCRKSFNWRSSLIKHQAIIHKGEKPYKCDECGKAFNHSSTLKIHQRIHSGQKPHKCS
 ECGKAFCRRTDLTEHQRVHSGFRPHQCPVCARTFNRPShLVRHRLRHAERHFCAKCKETFYKEQLER
 HNKIHTIEGLYECKQCGEHFICRSTLNCHLSIHIRENTSEKVVGQNSQHTKCFKNTKCRKAPNHSRYLG
 QHEKIIHAQVTSGECDPCGETYDQSVQPICHQSIKAGVPSSECAEPEKCTRNTSASEHHPQSREPSFKCDI
 YNRAFKQRAHLKSHQLIHITKPFKCNEDRAFKQSNYL IQHQKTHTAEKHFECSECGKTFHQRSCLSKH
 QKIHSGEKPFCGDCGKAFISGAQLIRHQRIHTGEKPYVCQECGKTF SQSSCLTLHLRIHTGEKPYTCGT
 CGKAFAQRANQRKHERIHTGEKPYACGLCGKAFGLRTHLQQHQRIHTKAKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

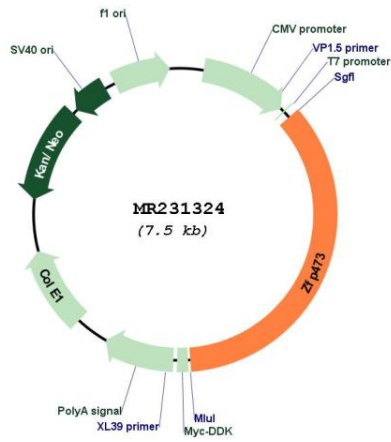
Cloning Scheme:



ACCN: NM_001289838

ORF Size:	2673 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:	NM_001289838.1 , NP_001276767.1
RefSeq Size:	3661 bp
RefSeq ORF:	2676 bp
Locus ID:	243963
UniProt ID:	Q8BI67
Cytogenetics:	7 B3
MW:	102.1 kDa
Gene Summary:	Involved in histone 3'-end pre-mRNA processing by associating with U7 snRNP and interacting with SLBP/pre-mRNA complex. Increases histone 3'-end pre-mRNA processing but has no effect on U7 snRNP levels, when overexpressed. Required for cell cycle progression from G1 to S phases (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231324