

Product datasheet for **MC229113**

Zfp473 (NM_001289838) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp473 (NM_001289838) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC229113 representing NM_001289838
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAGGAAGGAGGACGACCTTAAAGGAGGTTGCTGGAATCAGCCAGCTGTGGCTGAGGAGTTTGAGA
 CCTCAAGGATTTAGCCATGGATTTACCGTGGAGACTGGAAAGACCTGGAGTCAGAGTGGACCAGAG
 AGACCTGTTCTGGGATGTGACGCTGAACCACTACCAGGACATGTTCTCATTAACTTCGCAACCCAGC
 CTGACTTCCCAGCCAGATGTGAGGGAAGAGCTGGAAGCCACCAGTACTGAAGTGCCTGAGACCAAGAGCT
 CTCCTTTGCGAGTGGTTTCGTAGAAGAAGACTTCTCCAGATTATGGAGATATTTTCCAACGGGCAACT
 CAACTTTGAAGCCTGTATAGGTGAGGATTGGCTAAATAGTTTTCTCGGAGATCCAGAAAGCTTCCAAGA
 CCTGACATCAGCGACAAGGAAAGCCCCGCGGATCATCAGAGTCTGAGTCCAAGAGCGGCCTCAGTCCTG
 GGCTCCCCTTTGCACAAGAGAGGATGCTGTGATGTCTGCTAGTCTGAAAAGACCCTCACTCCAGTGAT
 ACTGAAGGAATCCAGGAGTGACCTGAGCCAGGAGGACTCTGTCCAGGGACACGAGAAGCCATATAAGTGT
 AGTGAGTGTGGGAAAGCTTCAGCCAGAGTCACCACCTCATCCAGCACTGGGTTCTCCACACCTCAGGGG
 AGCCTCTATATGGCGAGAGCAGCAGCGAGGTCTCAGCCAGGGTCTCACTTTCCATGTGTCCAGGGAC
 TCCAGCAAGCTATGAATCCTACACGTGTGAGGAGTGTGGGAAAAGGTTTAGTCAGAATGTGTACCTCCAG
 TGGCATCAGAAAAATCCACTGGAGAAAAAATTTGTAAACTCAAAGTGACAGCAACCTAGAAGGGCTCT
 CTAGGAGTCCGAGTGTGAGCCAGGAAAGCAGCGGCTGAGTAAAGACTGACTCAGCAAAACCGAGTAC
 CATTACGGTTCAGGACCAGGAAAAACCACTACTGGTAAAGTCGTGACCAAGAAAACCTGCATGAGAGC
 CAGCCTGGTGACAGGCCATCCGTTCTTCATCCAAGCCTTTAGGCATCAGAAGACTCCACAAACGCTA
 AGTGCTCAGATGTAAGAAGTGTGGGAGACATTCAGTGGGGCCTTTTCATCTAGCTAAACACCAGAGAGC
 CCATGCTCAGAGACTCTACAAGTGCCTTCGTGCCCTGCCGTCTCAACCTAAGCAAGCATTGCTCCAG
 CATCGCAAGTACATTTCCAGCGCGGCTGCGAGTGTGAGGGATGCAGAAAGAGCTTTAATTGGCGGT
 CATCACTCATTAAGCACCAGGCTATTCACAAAGGAGAGAAGCCGTACAAGTGTGATGAATGTGGTAAAGC
 TTTCAACCACTCTCCACCCTGAAGATCCACCAGAGGATCCACAGTGGACAGAAGCCTCACAAATGCAGT
 GAGTGGGAAAGCCTTCTGTGCGAGAACAGATCTTACTGAGCATCAGCGAGTCCACTCGGGCTTCAGAC
 CCCATCAGTGTCCGTGTGCCAGGACTTTTAAACCGACCTTCACACTTAGTTCGACACCGGCTGAGACA
 TGCTGAAGAAAGGCACTTTGGCTGTGCTAAATGCAAGGAGACCTTCATCTATAAAGAACAGCTAGAGCGG
 CACAATAAAATCCACACCATCGAGGGCTTGTATGAGTGTAAAGCAGTGTGGAGAACACTTCATTTGAGGT
 CAACTCTGAATGCCACCTGAGCATACACATTAGAGAAAATACAAGTGAAGAAAGTTGTGGGTGAGAACTC
 ACAGCACACTGAAAAATGCTTTAAGAATACCAAGTGTAGAAAAGCCCCTAACACAGCAGATACCTAGGG
 CAGCATGAGAAGATTCATGCCAGGTGACATCCGGTGTGAGTGTGACCCATGTGGGAAACCTATGACCAGA
 GTGTGACGCCATTTGCCATCAGAGCATCTGTGCTGGTGTGAAACCAAGTGAATGCGCTGAGCCTGAGAA
 ATGCACGCGAAACACCTTGCCAGTGTGACCATCCTTCCCAAAGGGAACCATCCTTCAAGTGTGACATA
 TACAACAGGGCCTTCAAACAGCGTGCCACCTTCAAACATCAGTTGATTCACATCACTGAGAAGCCCT
 TTAATGCAACGAATGTGACAGAGCCTTCAAGCAGAGTAACTACCTCATTGAGTATCAGAGACTCACAC
 TGCAGAGAAGCACTTTGAATGTAGCGAGTGTGGGAAAACATTTTCATCAGCGATCATGCCTTCTAAGCAC
 CAGAAAATCCACTCAGGGGAGAAGCCCTTAAAGTGTGGTACTGTGGGAAAGCCTTCATCTCTGGTGCCC
 AGCTCATCCGACACCAGAGAATTCACACTGGGGAGAAGCCGTACGTCTGCCAGGAATGTGGGAAAACCTT
 CAGCCAGAGCTCGTGCCTTACCCTTACCTTAGAATTCACACTGGGGAGAAGCCGTACACATGCGGCACG
 TGCGGAAAGCCTTTGCTCAGAGAGCAAACAGAGGAAGCACGAGAGAATTCACACTGGGGAGAAGCCCT
 ATGCTGCGGGCTGTGTGGGAAGGCTTCGGCCTCCGACCCATCTCCAGCAACACCAGAGAATTCACAC
 CAAGGCCAAACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289838

Insert Size:	2676 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289838.1</u> , <u>NP_001276767.1</u>
RefSeq Size:	3661 bp
RefSeq ORF:	2676 bp
Locus ID:	243963
UniProt ID:	<u>Q8BI67</u>
Cytogenetics:	7 B3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. Variants 4 and 5 encode the same isoform (2), which is shorter than isoform 1.</p>