

Product datasheet for **MC229116**

Zfp473 (NM_001289837) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Zfp473 (NM_001289837) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Zfp473 |
| Synonyms: | D030014N22Rik; zfp-100; Znf473 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC229116 representing NM_001289837
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGAAGGAGGACGACCTTAAAGGAGGTTGCTGGAATCAGCCAGCTGTGGCTGAGGAGTTTGAGA
 CCCTCAAGGATTTAGCCATGGATTTACCGTGGAAGACTGGAAAGACCTGGAGTCAGAGTGGACCAGAG
 AGACCTGTTCTGGGATGTGACGCTGAACCACTACCAGGACATGTTCTCATTACAGATACTTCGCAACCC
 AGCCTGACTTCCCAGCCAGATGTCAGGGAAGAGCTGGAAGCCACCAGTACTGAAGTGCCTGAGACCAAGA
 GCTCTCCTTTGCAGAGTGGTTTCGTAGAAGAAGACTTCTCCAGATTATGGAGATATTTTCCAACGGGCA
 ACTCAACTTTGAAGCCTGTATAGGTGAGGATTGGCTAAATAGTTTCTCGGAGATCCAGAAAGTCTTCCA
 AGACCTGACATCAGCGACAAGGAAAGCCCCGGGATCATCAGAGTCTGAGTCCAAGAGCGGCCCTCAGTC
 CTGGCCCTCCCCTTTGCACAAGAGAGGATGCTGTGATGTCTGCTAGTCTGAAAAGACCCTCACTCCAGT
 GATACTGAAGGAATCCAGGAGTGACCTGAGCCAGGAGGACTCTGTCCAGGGACACGAGAAGCCATATAAG
 TGTAGTGAAGTGTGGGAAAGCTTCAGCCAGAGTACCACCTCATCCAGCACTGGGTTCTCCACACCTCAG
 GGGAGCCTCCTATATGGCGAGAGCAGCAGCGAGGTCTCAGCCAGGGTGTCACTTCCCATGTGTCCAGG
 GACTCCAGCAAGCTATGAATCCTACACGTGTGAGGAGTGTGGGAAAAGGTTTAGTCAGAATGTGTACCTC
 CAGTGGCATCAGAAAAATCCACACTGGAGAAAACTTTGTAAAACCTCAAAGTGACAGCAACCTAGAAGGGC
 TCTTAGGAGTCCGAGTGTGAGCCAGGAAAGCAGCGGCTGAGTAAAGACTGACTCAGCAAAACCGAG
 TACCATTACGGTTCAGGACCAGGAAAAACCACTACTGGTGAAGTGTGACCAAGAAAACCTGCATGAG
 AGCCAGCCTGGTACAGGCCATCCGTTCTTCATCAAAGCCTCTTAGGCATCAGAAGACTCCTACAAACG
 CTAAGTGCTTCAGATGTAAGAAGTGTGGGAGACATTCACTGGGGCCTTTCATCTAGCTAAACACCCAGG
 AGCCCATGCTCAGAGACTCTACAAGTGCCTTCGTGCCCTGCCGCTTCAACCTAAGCAAGCATTGCTTC
 CAGCATCGCAAGTACATTTCCCGACGCGGCCTGCGAGTGTGAGGGATGCAGAAAAGAGCTTTAATTGGC
 GGTCACTACTATTAAGCACCAGGCTATTCAAAAGGAGAGAAGCCGTACAAGTGTGATGAATGTGGTAA
 AGCTTTCAACCACTCCTCCACCCTGAAGATCCACCAGAGGATCCACAGTGGACAGAAGCCTCACAAATGC
 AGTGAAGTGCAGGAAAGCCTTCTGTCGGAGAACAGATCTTACTGAGCATCAGCGAGTCCACTCGGGCTTCA
 GACCCCATCAGTGTCCCCTGTGTGCCAGGACTTTAACCAGCCTTCACTTGTGACACCGGCTGAG
 ACATGTGAAGAAAGCCTTTGGCTGTGCTAAATGCAAGGAGACCTTCACTATAAAGAACAGCTAGAG
 CGGCACAATAAAATCCACACCATCGAGGCTTGTATGAGTGAAGCAGTGTGGAGAACACTTCATTTGCA
 GGTCAACTCTGAATTGCCACCTGAGCATACACATTAGAGAAAATACAAGTGAAGAAAGTTGTGGGTAGAA
 CTCACAGCACACTGAAAAATGCTTTAAGAATACCAAGTGTAGAAAAGCCCTAACCACAGCAGATACCTA
 GGGCAGCATGAGAAGATTCATGCCAGGTGACATCCGGTGTGAGTGTGACCCATGTGGGAAACCTATGACC
 AGAGTGTGAGCCATTTGCCATCAGAGCATCTGTGCTGGTGTGAAACCAAGTGAATGCGCTGAGCCTGA
 GAAATGCACGCGAAACACCTCTGCCAGTGAACCATCCTTCCAAAGGGAAACCTCCTTCAAGTGTGAC
 ATATAACAGGGCCTTCAAACAGCGTGCCACCTTTCAAACATCAGTTGATTCACATCACTGAGAAGC
 CCTTTAAATGCAACGAATGTGACAGAGCCTTCAAGCAGAGTAACTACCTCATTGAGCATCAGAAGACTCA
 CACTGCAGAGAAGCACTTTGAATGTAGCGAGTGTGGGAAAACATTTATCAGCGATCATGCCTTTCTAAG
 CACCAGAAAATCCACTCAGGGGAGAAGCCCTTTAAGTGTGGTGAAGTGTGGGAAAGCCTTCACTCTGGTG
 CCCAGCTCATCCGACACCAGAGAATTCACACTGGGGAGAAGCCGTACGTCTGCCAGGAATGTGGGAAAAC
 CTTAGCCAGAGCTCGTGCCTTACCCTTACCTTAGAATTCACTGGGGAGAAGCCGTACACATGCGGC
 ACGTGCAGGAAAGCCTTTGCTCAGAGAGCAAACAGGAAAGCAGAGAGAATTCACACTGGGGAGAAGC
 CCTATGCCTGCGGGCTGTGTGGGAAGCCCTTCCGCTCCGACCCATCTCCAGCAACACCAGAGAATTCA
 CACCAAGGCCAAACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001289837

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| Insert Size: | 2679 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. |
| RefSeq: | <u>NM_001289837.1</u> , <u>NP_001276766.1</u> |
| RefSeq Size: | 3957 bp |
| RefSeq ORF: | 2679 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same isoform (1).</p> |