

Product datasheet for **MC229115**

Zfp473 (NM_001289836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp473 (NM_001289836) 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: >MC229115 representing NM_001289836
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGAAGGAGGACGACCTTAAAGGAGGTTGCTGGAATCAGCCAGCTGTGGCTGAGGAGTTTGAGA
 CCTCAAGGATTTAGCCATGGATTTACCGTGGAAGACTGGAAAGACCTGGAGTCAGAGTGGACCAGAG
 AGACCTGTTCTGGGATGTGACGCTGAACCACTACCAGGACATGTTCTCATTACAGATACTTCGCAACCC
 AGCCTGACTTCCCAGCCAGATGTCAGGGAAGAGCTGGAAGCCACCAGTACTGAAGTGCCTGAGACCAAGA
 GCTCTCCTTTCAGAGTGGTTTCGTAGAAGAAGACTTCTCCAGATTATGGAGATATTTTCCAACGGGCA
 ACTCACTTTGAAGCCTGTATAGGTGAGGATTGGCTAAATAGTTTCTCGGAGATCCAGAAAGTCTTCCA
 AGACCTGACATCAGCGACAAGGAAAGCCCCGGGATCATCAGAGTCTGAGTCCAAGAGCGGCCCTCAGTC
 CTGGCCCTCCCCTTTCACAAGAGAGGATGCTGTGATGTCTGCTAGTCTGAAAAGACCCCTCACTCCAGT
 GATACTGAAGGAATCCAGGAGTGACCTGAGCCAGGAGGACTCTGTCCAGGGACACGAGAAGCCATATAAG
 TGTAGTGTGTTGGGAAAGCTTCAGCCAGAGTACCACCTCATCCAGCACTGGGTTCTCCACACCTCAG
 GGGAGCCTCCTATATGGCGAGAGCAGCAGCGAGGTCTCAGCCAGGGTGTCACTTCCCATGTGTCCAGG
 GACTCCAGCAAGCTATGAATCCTACACGTGTGAGGAGTGTGGGAAAAGGTTTAGTCAGAATGTGTACCTC
 CAGTGGCATCAGAAAATCCACACTGGAGAAAACCTTTGTAAAACCTCAAAGTGACAGCAACCTAGAAGGGC
 TCTTAGGAGTCCGAGTGTGAGCCAGGAAAGCAGCGGCTGAGTAAAGACACTGACTCAGCAAAACCGAG
 TACCATTACGGTTCAGGACCAGGAAAACCACTACTGGTGAAGTGTGACCAAGAAAACCTGCATGAG
 AGCCAGCCTGGTACAGGCCATCCGTTCTTCAACAAAGCCTCTTAGGCATCAGAAGACTCCTACAACAG
 CTAAGTGCTTCAGATGTAAGAAGTGTGGGAGACATTCACTGGGGCCTTTCATCTAGCTAAACACCCAGG
 AGCCCATGCTCAGAGACTCTACAAGTGCCTTCGTGCCCTGCCGCTTCAACCTAAGCAAGCATTGCTTC
 CAGCATCGCAAGTACATTTCCCAAGCGCGCCTGCGAGTGTGAGGGATGCAGAAAAGAGCTTTAATTGGC
 GGTCACTACTCATTAAAGCACCAGGCTATTCAAAAGGAGAGAAGCCGTACAAGTGTGATGAATGTGGTAA
 AGCTTTCAACCACTCCTCCACCCTGAAGATCCACCAGAGGATCCACAGTGGACAGAAGCCTCACAATGC
 AGTGAGTGCGGGAAAGCCTTCTGTGCGGAGAACAGATCTTACTGAGCATCAGCGAGTCCACTCGGGCTTCA
 GACCCCATCAGTGTCCCCTGTGTGCCAGGACTTTAACCAGCCTTCACTTAGTTCGACACCGGCTGAG
 ACATGTGAAGAAAGCCTTTGGCTGTGCTAAATGCAAGGAGACCTTCACTATAAAGAACAGCTAGAG
 CGGCACAATAAAATCCACACCATCGAGGGCTTGTATGAGTGAAGCAGTGTGGAGAACACTTCATTTGCA
 GGTCAACTCTGAATTGCCACCTGAGCATACACATTAGAGAAAATACAAGTGAAGAAAGTTGTGGGTGAGAA
 CTCACAGCACACTGAAAATGCTTTAAGAATACCAAGTGTAGAAAAGCCCTAACCACAGCAGATACCTA
 GGGCAGCATGAGAAGATTCATGCCAGGTGACATCCGGTGTGAGTGTGACCCATGTGGGAAACCTATGACC
 AGAGTGTGAGCCCATTTGCCATCAGAGCATCTGTGCTGGTGTGAAACCAAGTGAATGCGCTGAGCCTGA
 GAAATGCACGCGAAACACCTCTGCCAGTGAACCATCCTTCCAAAGGGAAACCTCCTTCAAGTGTGAC
 ATATAACAGGGCCTTCAAACAGCGTGCCACCTTTCAAACATCAGTTGATTCACATCACTGAGAAGC
 CCTTTAAATGCAACGAATGTGACAGAGCCTTCAAGCAGAGTAACCTACCTCATTGAGCATCAGAAGACTCA
 CACTGCAGAGAAGCACTTTGAATGTAGCGAGTGTGGGAAAACATTTATCAGCGATCATGCCTTTCTAAG
 CACCAGAAAATCCACTCAGGGGAGAAGCCCTTTAAGTGTGGTGAAGTGTGGGAAAGCCTTCACTCTGGTG
 CCCAGCTCATCCGACACCAGAGAATTCACACTGGGGAGAAGCCGTACGTCTGCCAGGAATGTGGGAAAAC
 CTTAGCCAGAGCTCGTGCCTTACCCTTACCTTAGAATTCACTGGGGAGAAGCCGTACACATGCGGC
 ACGTGCGGGAAAGCCTTTGCTCAGAGAGCAAACAGGGAAGCACGAGAGAATTCACACTGGGGAGAAGC
 CCTATGCCTGCGGGCTGTGTGGGAAGCCCTTCCGCTCCGACCCATCTCCAGCAACACCAGAGAATTCA
 CACCAAGGCCAAACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289836

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289836.1</u> , <u>NP_001276765.1</u>
RefSeq Size:	3983 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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 2 and 3 encode the same isoform (1).</p>