

Product datasheet for **MC222446**

Zfp473 (NM_178734) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp473 (NM_178734) 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: >MC222446 representing NM_178734
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGAAGGAGGACGACCTTAAAGGAGGTTGCTGGAATCAGCCAGCTGTGGCTGAGGAGTTTGAGA
 CCTCAAGGATTTAGCCATGGATTTACCGTGGAAGACTGGAAGACCTGGAGTCAGAGTGGGACCAGAG
 AGACCTGTTCTGGGATGTGACGCTGAACCACTACCAGGACATGTTCTCATTTACAGATACTTCGCAACCC
 AGCCTGACTTCCCAGCCAGATGTCAGGGAAGAGCTGGAAGCCACCAGTACTGAAGTGCCTGAGACCAAGA
 GCTCTCCTTTGCAGAGTGGTTTCGTAGAAGAAGACTTCTCCAGATTATGGAGATATTTTCAACGGGCA
 ACTCACTTTGAAGCCTGTATAGGTGAGGATTGGCTAAATAGTTTCTCGGAGATCCAGAAAGTCTTCCA
 AGACCTGACATCAGCGACAAGGAAAGCCCGCGGATCATCAGAGTCCTGAGTCCAAGAGCGGCTCAGTC
 CTGGGCTCCCTTTGCACAAGAGAGGATGCTGTGATGTCTGCTAGTCTGAAAAGACCCTCACTCCAGT
 GATACTGAAGGAATCCAGGAGTGACCTGAGCCAGGAGGACTCTGTCCAGGGACACGAGAAGCCATATAAG
 TGTAGTGAGTGTGGGAAAGCTTCAGCCAGAGTACCACCTCATCCAGCACTGGGTTCTCCACACCTCAG
 GGGAGCCTCCTATATGGCGAGAGCAGCAGCGAGGTCTCAGCCAGGGTGTCACTTCCCATGTGTCCAGG
 GACTCCAGCAAGCTATGAATCCTACACGTGTGAGGAGTGTGGGAAAAGTTTAGTCAGAATGTGTACCTC
 CAGTGGCATCAGAAAAATCCACTGGAGAAAACTTTGTAAAACCTCAAAGTGACAGCAACCTAGAAGGGC
 TCTCTAGGAGTCCGAGTGTGAGCCAGGAAAGCAGCGGCTGAGTAAAGACACTGACTCAGCAAAACCGAG
 TACCATTACGGTCAGGACCAGGAAAAACCACTACTGGTGAAAGTGTGACCAAGAAAACCTGCATGAG
 AGCCAGCCTGGTGACAGGCCATCCGTTCTTCATCAAAGCCTCTTAGGCATCAGAAGACTCTACAAACG
 CTAAGTGCTTCAGATGTAAGAAGTGTGGGAGACATTAGTGGGCTTTTATCTAGCTAAACACCAGAG
 AGCCCATGCTCAGAGACTCTACAAGTGCGCTTCGTGCCCTGCCGTCTTCAACCTAAGCAAGCATTGCTTC
 CAGCATCGCAAGTCACATTTCCCAGCGCGGCTGCGAGTGTGAGGATGCAGAAAGAGCTTTAATTGGC
 GGTCTACTCATTAAAGCACCAGGCTATTCAAAAGGAGAGAAGCCGTACAAGTGTGATGAATGTGGTAA
 AGCTTTCAACCACTCCTCCACCCTGAAGATCCACCAGAGGATCCACAGTGAGCAGAAGCCTCACAATGC
 AGTGAGTGCAGGAAAGCCTTCTGTCGGAGAACAGATCTTACTGAGCATCAGCGAGTCCACTCGGGCTTCA
 GACCCCATCAGTGTCCGCTGTGTCCAGGACTTTTAACCGACCTTCACACTTAGTTCGACACCGGCTGAG
 ACATGCTGAAGAAAGGCACTTTGGCTGTGCTAAATGCAAGGAGACCTTCATCTATAAAGAACAGCTAGAG
 CGGCACAATAAAATCCACACCATCGAGGCTTGTATGAGTGTAAAGCAGTGTGGAGAACATTCATTTGCA
 GGTCAACTCTGAATTGCCACCTGAGCATACACATTAGAGAAAATACAAGTGAGAAAGTTGTGGGTGAGAA
 CTCACAGCAGCTGAAAAATGCTTTAAGAATACCAAGTGTAGAAAAGCCCTAACCACAGCAGATACCTA
 GGGCAGCATGAGAAGATTCATGCCAGGTGACATCCGGTGAGTGTGACCATGTGGGAAACCTATGACC
 AGAGTGTGAGCCCATTTGCCATCAGAGCATCTGTGCTGGTGTAACCAAGTGAATGCGCTGAGCCTGA
 GAAATGCACGCGAAACACCTCTGCCAGTGAGCACCATCCTTCCAAAGGGAACCATCCTTCAAGTGTGAC
 ATATAACAGGGCCTTCAAACAGCGTGCCACCTTTCAAACATCAGTTGATTACATCACTGAGAAGC
 CCTTTAAATGCAACGAATGTGACAGAGCCTTCAAGCAGAGTAACCTCATTAGCATCAGAAGACTCA
 CACTGCAGAGAAGCACTTTGAATGTAGCGAGTGTGGGAAAACATTCATCAGCGATCATGCCTTTCTAAG
 CACCAGAAAATCCACTCAGGGGAGAAGCCCTTAAAGTGTGGTACTGTGGGAAAGCCTTCATCTCTGGTG
 CCCAGCTCATCCGACACCAGAGAATTACACTGGGGAGAAGCCGTACGTCTGCCAGGAATGTGGGAAAAC
 CTTAGCCAGAGCTCGTGCCTTACCCTTACCTTAGAATTCACTGGGAGAAGCCGTACACATGCGGC
 ACGTGCGGAAAGCCTTTGCTCAGAGAGCAAACAGAGGAAGCACGAGAGAATTCACACTGGGAGAAGC
 CCTATGCCTGCGGGCTGTGTGGGAAGCCTTCGGCCTCCGCACCCATCTCCAGCAACACCAGAGAATTCA
 CACCAAGGCCAAACCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178734

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).
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:	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_178734.4, NP_848849.2</u>
RefSeq Size:	3809 bp
RefSeq ORF:	2679 bp
Locus ID:	243963
UniProt ID:	<u>Q8BI67</u>
Cytogenetics:	7 B3
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] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same isoform (1).