

Product datasheet for MC224349

Zfp541 (NM_001099277) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp541 (NM_001099277) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp541
Synonyms:	EG666528; Znf541
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224349 representing NM_001099277 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCCATACAGTCTTGGGAAGAGGGAGCACTTCCATCAGAAGGGCACCTCCCATCCTTCTCTGAAA
GTCAAGTGCTCAACTGCAGTGACACACTCAACCGGGACCTGGGCCCCAGCACACGGGACCTGCTCTACGC
TGGCTTAAGCGGTTTGGACCTTGACCCAGTCTCTCCACATCTGATATGCCAGTGAAGTGCTAGAGGAC
AATCTGGACACCCTGTCCCTATACTCGGGAAGGACAGTGAAGTCTGTGAAGCTGCTGGAAGAATATGCAG
ACTCTGAGTCACAGACCTCCTTACAAGACCTGGGGCTGGGCGCACTCAAGGTGCCTAAAGAGGCTGATGA
AGGAGGCAGGGCCACTGGGAGTACAAGGAAGGCAAGCGACAGCACAGTTCCTCAGAAATCCACTCCTG
GACTGCAGCCTGTGTGGGAAAGTGTTCAGCAGCGCCAGTTCCTGAGCAAGCATTACCTGACGCACAGCC
AGGAGAGAAAAACGCTGTGCAAAGTCTGCAGAAAGCCTTCAAGCGGCAGGACCCTGACTGGGCACAT
GCTCACCCACCAGAAGACCAAGCCCTTTGTGTGATTGAGCAAGGTTGCAGCAAGAGCTACTGTGACTAC
CGCTCGCTGCGCCGCACTATGAAGTCCAGCATGGAGTATGCATCCTGAAGGAGACTCCACCAGAAGAGG
AGGCCTATGGGGACCAACTCACAACCATGATGTGGCTAACCAGCCTCCACCCAGTGGCCTGAGGTCCT
GGGGCCCCCAGAAGCTAGGTCCCTGGCTCTGTCTTGCCCAACAGAGACCTCCTTCGCTGATTGTGAGC
AGCATCGTCCACCAGAAGATTCTTCTCTGCCCAGCAGTGGGGCCTTCTGATACTGAAGCAAGGAGCT
CAGCCTGTGCTTGCCCCACCTCACTGGGATCATCATGTACACAGCCAGCACCCAGTGGCCCTAGG
AACCCTGGGCTCTGAGATTCTGAGGAACTCATCCCCACGGAAGGAAGCTGCCACCGAAGTGTTCACA
CCTGTCCAGTCAAGGGCAGCTGAGAATGGTGTCCCGATCCACCAGAGTCAGAGTTGGAGTCAGAGTCTC
CACGGCTTCAACGGCCATCCTCCTGGAAGGCTGGCCAGAGGGCAGCTCTCTGCCTGCCTGCCTGCCTCT
CTTCAGAGGCCACTCTGTCCCTCAGGATCCAGCCTTCCAGCCACAACCTCCAGTGGCTCCGGAACCTG
CCTGGCTGTCCCAAGAACAAAGGCAGCAATGTGTTTATGGTCCACAAGCCCCCTGCAGTGGCATCCCGG
AGGGCTCTGAGGGAGGAGGCTCTGGACCCAGCAGCACCCCTACCTCAGTGGAGCCTTACCCAGCCTGGG
CACCACCCAGGAGGAACCTTGCCATTTCTCCTGCACTACTAAAGGCCCTGGTGAAGCCTCCAGTGAA



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GTTCGGCAGGCAGCTGGGGAAGATGAAACCTGGGCTCCCAAAAAGTGCAAACCTGACTGTGAGTCATTCC
 CATGGCAGAGCCCCACTGAGCTTGGGCTCCAAGATGCACAGAACCAGGTGGGCTCCCCTCAGATGCCAC
 GCCCCTCTTCGGCAGCTGTTTCATGAAGTCACAGGAGTCTCTAGTAAGCCATGAGCAGATGCAGGTGCTC
 CAGATGATTGCCAAGTCCCAGCGGATCTTCTCCCATCTCAGGTGGCTACAGCCTCAGCCCAGAGACCAG
 GGCCCGAGGGCAAGCAGTCCACTCTGAAGCATTGCAGGGGCCATGGCCACCACAACTCTGCCACCAGC
 ACCCACTGTAGACTCTTTCAGATAGGCCTGGACACTCAGAGCCAGAAGGATCCCCAGTCCGCAGGAGG
 AAAACTATGCCTGCGGTGTCCAGAGAAACATCTCTGGTGGCCCTAGGCGAGACACAAAGGAGGCCCA
 AAGTGGCCTCTGCACCACCATCCCTCACAGGGCCAGGCCTGCTCCCCTCCCGGAATCCAGACAGCTCTTC
 ATTGGCCAAAGGACATTGGACCTGGGGGACATTATCCCCAATGCAGGCTCAAGGCAGTCCAGTTAGGT
 GGAGATGAGCCAGCTGGAACCCAGCTGGTTGGGAAACAGGGGCAAGGAGAAAATGGCCTGGCTTCAGGGG
 CCATGAGAGGTGAGAAGGGTCCAGCCTGCCCCGAGGTGGAGGCTACAGGCTCTTCTCAGGGCACCCAG
 GGCCAGAGATTCTCAGTTTCCGGAAGGAGAAAGTGAAGATGGATGTGTGCTGTGCAGTCTCTCCAGC
 CAGGTGGCCATGGCCTCCTTTTCATCGGCTGGGCTCTGGCAGATCCACCAGAGACATGAAGTCCAAGC
 TGACAATCTTCAACAGAATCCAGGGTGGAAACATTTACAGACTCCCCATCCAGTGAAGGAAGAGAGCTT
 GGCAGGCGGATGCCATCAGCCAAATGGGGTCCCACAGACTGGATGGAGTCAAAGAGCACTTTTGTGTGC
 AAGAAATTCAGCCAGATGTTTTACACCGAGAAAGGGCTGAGCAGCCACATGTGTTTCCATAGTGACCAGT
 GGCCATCACCTCGAGGAAGCAGGAGCAACAGGTGAAGGGGCAAAATGGTGGCTTCTGTAAAAAGGAGGC
 TGGCAGGGAGGAAGGAGCAGTAGAAGATATGAAACGTCATTATGATTGCAGCAGCTCTGAGCCTCAGGAT
 GTCACCATACTGAGTATGTTAGTCAGCTCTGGCTCATGTGGGTGACACCTGTGGTTCTGTCTCTCTTC
 TTCAGGGACAAGAAAAGATGGGGAAGAGAGACAGCAAGGAGAGCTGCCAGTACAGAAAGCGGAAGAA
 GCGGCCCCAGCCCAAGGCCCTGTTTGGCCCTCTGCACCTCTGCCCTCGGGGAACAGGCCCAGGAGGG
 TGCCACCAGAGCTGCCTGCACTCTCCTGTGTTCTGGTGGATCACCTCCTGAAGGGCTTGTTCAGTGCT
 CTCCTACACACCACCGCTATGCTTAGCCGATTCTGAGGGCTCTGGGCTGTACTTCAATACCTCTG
 CTCACATCCAGGCTGGGCCCCACCTTATCAGCCCTGTACTTGACCAAGTGGACAGTCCCTTTGGCATC
 TGTGTGGTGAAGGATGACACTAAAATCAGCATCGAACCACATATCAACGTAGGAAGCAGATTTCAGGCGG
 AGATCCCAAGTGCAGGAGAGGCTGCTGGCCAGAGTGGATGAGAATGTAGCTTCTCTGGTCTGGAAGCC
 ATGGGGAGATGTGATGACCAACCAGAGACCCAGGACAGAGTGTGGAGCTCTGCAATGTAGCATGCTCC
 AGTGTGATGCCAGGAGGGGGCACCAACCTGGAGCTTGCCTGCACTGCCTGCATGATGCCAGGGCAGTG
 TTCAGTTGCCCTGGAGACTCTGTTACTCAGAGGACCCAGAGAGCCCGGACTCACCACTGGCTGACTA
 TCGATACACAGGTTGAGACATCTGGACCCCATGGAGAAGAGGCTCTTCAAGAAGGCATTCTGTGCCAC
 AAGAAGGACTTTTACCTGATACACAAGATGATCCAGACTAAAAGTGTAGCACAGTGTGTCGAGTACTACT
 ACATCTGGAAAAAGATGTTAAGTTTGATTGTGGCCGAGCTCCTGGGCTGGAGAAGAGGGGAGAGAGA
 GCTGGATGAAGTAGAAAGGACTGAAGACAAGGTGACTTGACGCCCTCGAGAGAGACCTACCCACCGTCCA
 ACTCCTGAGTTAAAGATAAAGACCAAGAGTTACAGGAGAGAGTCTATCCTTCACTCCAGCCCAAGTGACG
 CCCCCAAGCGCACTCCTGAGCCTCCAGGGAGTGTGGAGAGCCAGGGCGTGTTCCTTGCAGAGAGTGTGA
 GAGGGTGTTCGACAAGATCAAGAGTCGGAATGCCACATGAAGCGCCACCGCCTCCAGGAGCATGTGGAA
 CCCGTTAGGGTGAAGTGGCCTGTGAAGCCCTACCCACTGAAGGAGGAAGAGGAGGAGGAAGAAGAGGAGC
 TGGGGGCCGACATGGGCCCTTGCAGTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001099277

Insert Size:

4092 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_001099277.1</u> , <u>NP_001092747.1</u>
RefSeq Size:	4561 bp
RefSeq ORF:	4092 bp
Locus ID:	666528
UniProt ID:	<u>Q0GGX2</u>
Cytogenetics:	7 A2
Gene Summary:	Component of some chromatin remodeling multiprotein complex that plays a role during spermatogenesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has two alternate exons in the 5' coding region compared to variant 1. It encodes a longer protein (isoform 2) compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.