

Product datasheet for **MC226240**

Zfp41 (NM_001044718) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zfp41 (NM_001044718) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zfp41
Synonyms: CTfin92; Zfp-41
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226240 representing NM_001044718
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAAAGCCTGCAACTAGGAAAAGAAGAGTCAGGCCCAAAGGAGGAGGCAGGTGCGCAAAGGCCA
CTGTCAAGGGAGAGAAAACATCAAAGGGGAAAAAGGCAACCAAGAAGCCAAGAAAGCCCCGAGACCCCC
AAAAGAACCTGTCTGAGCCCCGAGGACGAAGCACAATATCTTTGATGCCTTCGATGCCTCGTTTAAAGAT
GACTTTGAGGGTGTCCCGTGTTTGTCCCTTTTCAGAGGAAGAAGCCCTATGAGTGTGGTGAATGTGGAC
GGATCTTTAAACACAAGACAGATCACATTCCGCCACCAGAGAGTTCACACTGGAGAGAAGCCCTTTAAGTG
TGACCAAGTGTGGGAAGACCTTCAGGCACAGCTCAGATGTCACCAAACATCAAAGAATTCACACCGGTGAG
AAGCCCTTTAAATGTGGGGAGTGTGGAAAAGCCTTCAACTGTGGTTCTAACCTTCTAAAACACCAGAAAA
CGCACACTGGAGAGAAACCTTATGGCTGTGAGGAGTGTGGAAAATCCTTCGCCTACAGCTCCTGCCTCAT
CCGGCATCGGAAGCGTCATCCGAGGAAGAAGCA**CTGA**

ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001044718
Insert Size: 597 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_001044718.2</u> , <u>NP_001038183.1</u>
RefSeq Size:	3553 bp
RefSeq ORF:	597 bp
Locus ID:	22701
UniProt ID:	<u>Q02526</u>
Cytogenetics:	15 D3
Gene Summary:	<p>A putative DNA-binding regulatory protein associated with meiosis in spermatogenesis. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. CCDS Note: This CCDS ID represents the protein described in PMID: 1397691. This protein is encoded by two alternate splice variants supported by BC053927.1 and AK030420.1. It should be noted this transcript is predicted to undergo nonsense-mediated mRNA decay (NMD). However, the protein is represented because it was detected endogenously in PMID: 1397691. It is likely that the majority of transcripts representing this variant will undergo NMD, while some low level of NMD escape may allow for the expression of this protein.</p>