

Product datasheet for **RC208217**

ZFP91 (NM_053023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP91 (NM_053023) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFP91
Synonyms:	DMS-8; DSM-8; FKSG11; PZF; ZFP-91; ZNF757
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC208217 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCGGGGAGACGGAAGAGCCGAGACCCCGGAGCAGCAGGACCAGGAAGGGGAGAGCGGCCAAGG
 CGGCTCCGGAGGAGCCCAACAACGGCCCTGAGGCGATCGCGCGGCCCTGCAGGGACCACTAGCAG
 CCGCGTGTGAGGGGAGGTCGGGACCGAGGCGGGCCGCTGCGGCCGCCGCCGACGTGTGTCCCGC
 CGGAGGAAGCGGAGTATCCCGCCGGCGAGGAGCAGCCCGAGCGCCAGGCCTCCCGACGTCCCGGGC
 AGCAGCCCGAGCCGGAAGTCCCGTCTCCAGTTCAGGGCAAGAAGAGTCCGCGACTCTATGCATAGA
 AAAAGTAACTGATAAAGATCCCAAGGAAGAAAAGAGGAAGAAGACGATTCTGCCCTCCCTCAGGAA
 GTTTCATTGCTGCATCTAGACCTAGCCGGGCTGGCGTAGTAGTAGGACATCTGTTCTCGCCATCGT
 ATACAGAGAACACCCGAAGCTCTCGGTCCAAGACCGGTTTATTGCAGCTCATTGCAAGTCAGAACAAA
 TACAGACCAACTTGATTATGATGTTGGAGAAGAGCATCAGTCTCCAGGTGGCATTAGTGAAGAGGAAGAG
 GAGGAGGAAGAAGAGATGTTAATCAGTGAAGAGGAGATACCATTCAAAGATGATCCAAGAGATGAGACCT
 ACAAACCCCACTTAGAAAGGGAAACCCAAAGCCACGGAGAAAATCAGGGGAGGTAAAAGAGAGAGGA
 GAAGAAGGAAATTAAGTGAAGTAGAGGTGGAGGTGAAAGAAGAGGAGAATGAAATTAGAGAGGATGAG
 GAACCTCCAAGGAAGAGAGGAAGAAGACGAAAAGATGACAAAAGTCCACGTTTACCCAAAAGGAGAAAA
 AGCCTCCAATCCAGTATGTCCGTTGTGAGATGGAAGGATGTGGAAGTGTGCTTGCCTTGCCTCCTCGCTATTT
 GCAGCACCAATTAATACCAGCATTGCTGAAGAAGAAATATGTATGTCCCATCCCTCCTGTGGACGA
 CTCTTCAGGCTTCAGAAGCAACTCTGCGACATGCCAAACATCATACAGATCAAAGGGATTATATCTGTG
 AATATTGTGCTCGGGCCTCAAGAGTCCCACAATCTGGCAGTGCACCGGATGATTACACTGGCAGAA
 GCCATTACAATGTGAGATCTGTGGATTTACTTGTGACAAAAGGCATCTTAAATTGGCACATGAAGAAA
 CATGATGCAGACTCCTTCTACCAGTTTTCTTGCAATATCTGTGGCAAAAATTTGAGAAGAGGACAGCG
 TAGTGGCACACAAGGCAAAAAGCCACCCTGAGGTGCTGATTGCAGAAGCTCTGGCTGCCAATGCAGGCGC
 CCTCATACCAGCACAGATATCTTGGGCACTAACCCAGAGTCCCTGACGCAGCCTTCAGATGGTCAGGGT
 CTTCTCTTCTGAGCCCTTGGAAACTCAACCTCTGGAGAGTGCCTACTGTTAGAAGCTGAAGGGA
 TGTCAAAGTCATACTGCAGTGGGACGGAACGGGTGAGCCTGATGGCTGATGGGAAGATCTTTGTGGGAAG
 CGGCAGCAGTGGAGGCACTGAAGGGCTGGTTATGAACTCAGATATACTCGGTGCTACCACAGAGGTTCTG
 ATTGAAGATTCAGACTCTGCCGACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208217 protein sequence
 Red=Cloning site Green=Tags(s)

MPGETEERPPPEQQDQEGGEAAKAAPEEPQQRPPPEAIAAAPAGTSSRVLRGGRDRGRAAAAAAAAAAVSR
 RRKAIEYPRRRSSPSARPPDVPQGQPQAAKSPSPVQGGKSPRLLCIEKVTTDKDPKKEEKEEEDSALPQE
 VSIAASRPSRGWRSSRTSVSRHRDTENTRSSRKTGSLQLICKSEPNTDQLDYDVGEEHQSPGGISEEEE
 EEEEEMLISEEIPFKDDPRDETYKPHLERETPKPRRSGKVKEEKEKEIKVEVEVEVKEEENEIREDE
 EPPRKRGRRRKDDKSPRLPKRRKPPPIQYVRCMEGCGTVLAHPRYLQHHIKYQHLLKKKYVCPHPSCGR
 LFRLLQQLLRHAKHHTDQRDYICEYCARAFKSSHNLAVHRMIHTGEKPLQCEICGFTCRQKASLNWHMKK
 HDADSFYQFSCNICGKFEKKDSVVAHKAKSHPEVLIAEALANAGALITSTDILGTNPESLTQPSDGGQ
 LPLLPEPLGNSTSGECLLLEAEGMSKSYCSGTERVSLMADGKIFVSGSSGGTEGLVMNSDILGATTEVL
 IEDSDSAGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6758_h11.zip

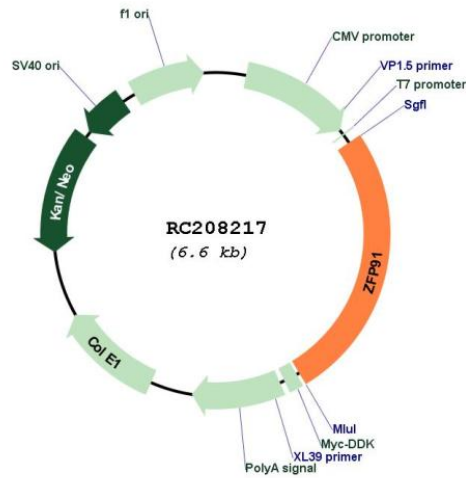
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



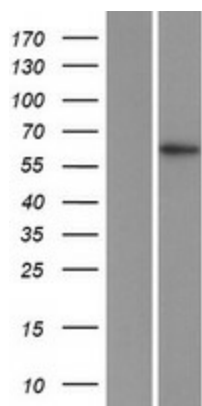
Plasmid Map:



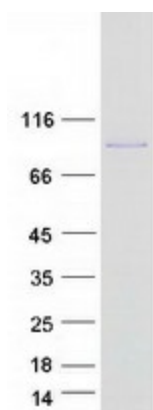
ACCN: NM_053023
 ORF Size: 1152 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_053023.1 , NM_053023.2 , NM_053023.3 , NM_053023.4 , NP_444251.1
RefSeq Size:	5735 bp
RefSeq ORF:	1713 bp
Locus ID:	80829
Domains:	zf-C2H2
Protein Families:	Transcription Factors
MW:	63.4 kDa
Gene Summary:	The protein encoded by this gene is a member of the zinc finger family of proteins. The gene product contains C2H2-type domains, which are the classical zinc finger domains found in numerous nucleic acid-binding proteins. This protein functions as a regulator of the non-canonical NF-kappaB pathway in lymphotoxin-beta receptor signaling. Alternative splicing results in multiple transcript variants. A read-through transcript variant composed of ZFP91 and the downstream CNTF gene sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. A ZFP91-related pseudogene has also been identified on chromosome 2. [provided by RefSeq, Oct 2010]

Product images:



Western blot validation of overexpression lysate (Cat# [LY409325]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208217 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZFP91 protein (Cat# [TP308217]). The protein was produced from HEK293T cells transfected with ZFP91 cDNA clone (Cat# RC208217) using MegaTran 2.0 (Cat# [TT210002]).