

Product datasheet for **RC230855**

ZFP91 (NM_001197051) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP91 (NM_001197051) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFP91
Synonyms:	DMS-8; DSM-8; DSM8; FKSG11; PZF; ZFP-91; ZNF757
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230855 representing NM_001197051
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGGGGAGACGGAAGAGCCGAGACCCCGGAGCAGCAGGACCAGGAAGGGGGAGAGCGGCCAAGG
 CGGCTCCGGAGGAGCCCCAACACGGCCCCCTGAGGCGATCGCGGCGGCCCTGCAGGGACCACTAGCAG
 CCGCGTGTGAGGGGAGGTCGGGACCGAGGCGGGCCGCTGCGGCCGCCGCCGAGCTGTGTCCCGC
 CGGAGGAAGCGGAGTATCCCGCCGGCGGAGGAGCAGCCCCAGCGCCAGGCCTCCCGACGTCCCGGGC
 AGCAGCCCCAGGCCGGAAGTCCCGTCTCCAGTTCAGGGCAAGAAGAGTCCGCGACTCTATGCATAGA
 AAAAGTAACTGATAAAGATCCCAAGGAAGAAAAGAGGAAGAAGACGATTCTGCCCTCCCTCAGGAA
 GTTTCCATTGCTGCATCTAGACCTAGCCGGGGCTGGCGTAGTAGTAGGACATCTGTTCTCGCCATCGT
 ATACAGAGAACACCCGAAGCTCTCGGTCCAAGACCGGTTTATTGCAGCTCATTGCAAGTCAGAACAAA
 TACAGACCAACTTGATTATGATGTTGGAGAAGAGCATCAGTCTCCAGGTGGCATTAGTGAAGAGGAAGAG
 GAGGAGGAAGAAGAGATGTTAATCAGTGAAGAGGAGATACCATTCAAAGATGATCCAAGAGATGAGACCT
 ACAAAACCCACTTAGAAAGGGAAACCCAAAGCCACGGAGAAAATCAGGGGAGGTAAAAGAGAGAGGA
 GAAGAAGGAAATTAAGTGAAGTAGAGGTGGAGGTGAAAGAAGAGGAGAATGAAATTAGAGAGGATGAG
 GAACCTCCAAGGAAGAGAGGAAGAAGACGAAAAGATGACAAAAGTCCACGTTTACCCAAAAGGAGAAAA
 AGCCTCCAATCCAGTATGTCCGTTGTGAGATGGAAGGATGTGGAAGTGTGCTTGCCTTGCCTATCCTCGCTATTT
 GCAGCACCAATTAATACCAGCATTGCTGAAGAAGAAATATGTATGTCCCATCCCTCCTGTGGACGA
 CTCTTCAGGCTTCAGAAGCAACTTCTGCGACATGCCAAACATCATACAGATCAAAGGGATTATATCTGTG
 AATATTGTGCTCGGGCTTCAAGAGTCCCAACTGCGCAGTGCACCGGATGATTCACACTGGCGAGAA
 GCCATTACAATGTGAGATCTGTGGATTTACTTGTGACAAAAGGCATCTTAATTGGCACATGAAGAAA
 CATGATGCAGACTCCTTCTACCAGTTTTCTTGCAATATCTGTGGCAAAAATTTGAGAAGAGGACAGCG
 TAGTGGCACACAAGGCAAAAAGCCACCCTGAGGTGCTGATTGCAGAAGCTCTGGCTGCCAATGCAGGCGC
 CCTCATACCAGCACAGATATCTTGGGCACTAACCCAGAGTCCCTGACGCAGCCTTCAGATGGTCAGGGT
 CTTCTCTTCTTCTGAGCCCTTGGAAACTCAACCTCTGGAGAGTGCCTACTGTTAGAAGCTGAAGGGA
 TGTCAAAGTCATACTGCAGTGGGACGGAACGGGTGAGCCTGATGGCTGATGGGAAGATCTTTGTGGGAAG
 CGGCAGCAGTGGAGGCACTGAAGGGCTGGTTATGAACTCAGATATACTCGGTGCTACCACAGAGGTTCTG
 ATTGAAGATTCAGACTCTGCCGACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230855 representing NM_001197051
 Red=Cloning site Green=Tags(s)

MPGETEERPRPPEQQDQEGGEAAKAAPEEPQQRPEAIAAAPAGTSSRVLRGGRDRGRAAAAAAAAAAVSR
 RRKAEYPRRRSSPSARPPDVPQQPQAASPSVQGGKSPRLLCIEKVTTDKDPKEEKEEEDDSALPQE
 VSIASRPSRGWRSSRTSVSRHRDTENTRSSRSKTGSLQLICKSEPNTDQLDYDVGEEHQPSPGGISEEEE
 EEEEEMLISEEIPFKDDPRDETYKPLHERETPKPRRSGKVKEEKEKEIKVEVEVEVKEEENEIREDE
 EPPRKRGRRRKDDKSPRLPKRRKPPPIQYVRCMEGCGTFLAHPRYLQHHIKYQHLLKKKYVCPHPSCGR
 LFRLQKQLLRHAKHHTDQRDYICEYCARAFKSSHNLAVHRMIHTGEKPLQCEICGFTCRQKASLNWHMCK
 HDADSFYQFSCNICGKKFEKKDSVVAHKAKSHPEVLIAEALANAGALITSTDILGTNPESLTQPSDGGQ
 LPLLPEPLGNSTSGECLLLEAEGMSKSYCSGTERVSLMADGKIFVSGSSGGTEGLVMNSDILGATTEVL
 IEDSDSAGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001197051

ORF Size: 1707 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.

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.

RefSeq: [NM_001197051.1](#), [NP_001183980.1](#)

RefSeq ORF: 1710 bp

Locus ID: 80829

UniProt ID: [Q96JP5](#)

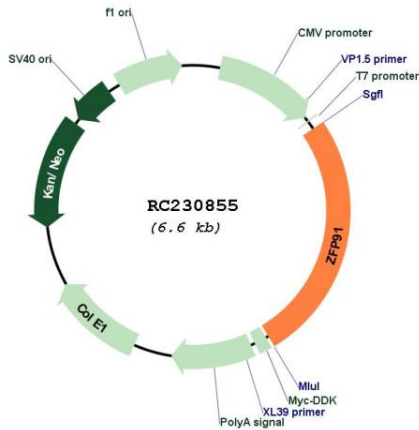
Cytogenetics: 11q12.1

Protein Families: Transcription Factors

MW: 63.8 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:



Circular map for RC230855