

Product datasheet for **RC204144**

ZNF643 (ZFP69B) (NM_023070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF643 (ZFP69B) (NM_023070) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF643
Synonyms:	ZKSCAN23B; ZNF643; ZSCAN54B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC204144 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAGAACTATGGGAACCTGGTCTCAGTGGGATGTCAGCTTCCAACCTGGCGTGATTTCCAGT
 TGGAGAAAAGGAGAAGAACCATGGCTGATGGAGAGAGATATTTAGGAGTTCCAAGTTCAGACTTGAAGAG
 CAAAAACAAAACCAAGAGTCAGCCTTACAGAATGATATTTCTGGGAAGAATACTCAAAATGTAATAAGCTAG
 ATGGAAAGATTTACAAAAGGAAGCAGCATGTATCCACCTTGGGAAGAATCTCCAATGTAATAAGCTAG
 AAAGCCAACAAGAGAACCAAGAATGGGTAAAGGGGCAAAATCCCCCTGATGTGCAAGAAAACATCACTCA
 GGAGAGAGGCCAAGAGTCTAATAGATTTGAGAAAAAGAAATTAATGTGAAGTCAGAAGTTATGCCAGGACCA
 ATAGGTCTTCCAAGAAAAGAGATCGTAAATATGACACACCTGGAAGAGAAGCAGATACAACATAGATT
 TAGTTAATCATTCAAGGAGTTATACAAAATGAAAACCTTTGAGTGAATATTTGTGAAAAAATCTTCAA
 ACAGCTTATTCACCTTACTGAACACATGAGAATTCATACCGGGGAGAAACCTTTTCAGATGTAAGGAATGT
 GAAAAAGCCTTTAGCCAAAGTTCATCTCTTATTCCGCATCAGAGAATTCATACTGGTGAAGAACCTATG
 AATGTAAGGAGTGTGGGAAAACCTTCAGACATCCTTCATCGCTTACTCAACATGTTAGAATTCATACCGG
 GAAAAAGCCTATGAATGTAGGGTATGTGAGAAAGCCTTCAGCCAGAGCATTGGACTGATCCAGCATTG
 AGAACTCATGTTAGAGAGAAACCTTTTACATGCAAGACTGTGGAAAAGCGTTTTTCCAGATTAGACACC
 TTAGGCAACATGAGATTATTCATACTGGTGTGAAACCTATATTTGTAATGTATGTAGTAAAACCTTCAG
 CCATAGTACATACCTAACTCAACACCAGAGAATCATACTGGAGAAAGACCATATAAATGTAAGGAATGT
 GGGAAAGCCTTTAGCCAGAGAATACATCTTTCTATCCATCAGAGAGTCCATACTGGAGTAAAACCTTATG
 AATGCAGTCATTGTGGGAAAGCCTTTAGGCATGATTCATCCTTTGCTAAACATCAGAGAATTCATACTGG
 AGAAAAACCTTATGATTGTAATGAGTGTGGAAAAGCCTTCAGCTGTAGTTCATCCCTTATTAGACACTGC
 AAAACACATTTAAGAAATACCTTCAGCAATGTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204144 protein sequence
 Red=Cloning site Green=Tags(s)

MLENYGNLVSVGQQLSKPGVISQLEKGEPPWLMERDISGVPSSDLKSKTKKESALQNDISWEELHCGLM
 MERFTKGSSTMYSTLGRISKCNKLESQQENQRMGKQIPLMCKKFTQERQQESNRFEKRINVKSEVMPGP
 IGLPRKRDRKYDTPGKRSRYNIDLVNHSRYSYTKMKTFCNICKEKIFKQLIHLTEHMRIHTGKPFRCKEC
 GKAFSQSSSLIPHQRIHTGKPYECKEKGKTFRHPSSLTQHVRHTGKPYECRVCEKAFSQSIGLIQHL
 RTHVREKPFCTCKDCGKAFFQIRHLRQHEIHTGVKPYICNVCSKTFSHSTYLTQHQRHTGERPYKCKEC
 GKAFSQRILHSIHQRVHTGVKPYECSHCGKAFRHDSFSAKHQRIHTGKPYDCNECGKAFSCSSSLIRHC
 KTHLRNTFSNVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6673_c12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_023070

ORF Size: 1296 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_023070.1](#), [NP_075558.1](#)

RefSeq Size: 2041 bp

RefSeq ORF: 1605 bp

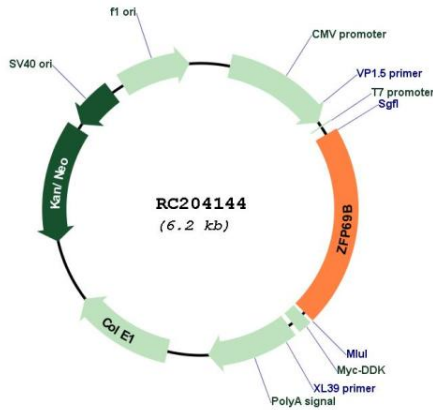
Locus ID: 65243

UniProt ID: [Q9UJL9](#)

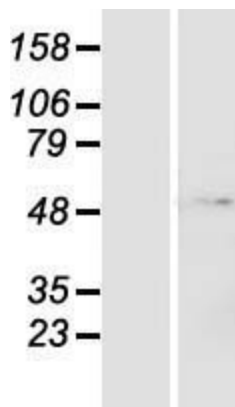
Cytogenetics: 1p34.2

Protein Families: Transcription Factors
MW: 49.9 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC204144



Western blot validation of overexpression lysate (Cat# [LY411502]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204144 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).