

Product datasheet for RC225594

ZSCAN23 (NM_001012455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN23 (NM_001012455) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSCAN23
Synonyms:	dj29K1.3; dj29K1.3.1; ZNF390; ZNF453
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225594 representing NM_001012455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCCATAACCTTGACCCTTCAGACTGCAGAGATGCAGGAAGGACTTCTGGCAGTGAAGGTAAGGAGG
AAGAGGAGGAACATTCCTGTGGCCAGAATCAGGCCTGTCAAGAAATAACCCTCATACCAGAGAGATCTT
TCGTAGACGCTTCAGGCAGTTCTGCTATCAGGAGTCCCCTGGGCCCGGGAGGCTCTTCAAAGACTCCAG
GAGCTCTGCCATCAGTGGCTGAGACCAGAGATGCACACCAAGGAGCAGATCCTAGAGCTGCTGGTGTGG
AGCAGTTCCTGACTATCCTGCCTGAGGAGCTCCAGGCCTGGGTCAGACAGCACCGTCTGTGAGTGGAGA
GGAGGCAGTGACTGTGCTGGAGGATTTGGAGAGAGAGCTGGATGACCCAGGAGAGCAGGTCTGAGCCAT
GCTCATGAACAGGAAGAGTTTGTAAAGGAGAAGGCAACTCCAGGAGCAGCTCAGGAGTCATCAAATGACC
AATTCCAAACCTTGGAAGAGCAACTTGGGTATAATTTGCGAGAGGTGTGCCCAGTTCAAGAGATTGATGG
CAAGGCTGGGACTTGGAATGTGGAGTTAGCCCCAAAGAGGGAGATTTCTCAGGAAGTGAATCTCTTATA
CAAGTTCCTGGAAAACAGAATGGTAATATTACTCAGATTCTGAGTATGGAGATACCTGTGACCGTGAGG
GCAGATTGAAAAGCAAAGGGTGAAGTCTTCAGTGGAGAGACCCTATATCTGTAGTGAATGTGAAAAAG
CTTCACCCAGAATCCATCCTTATCAGGACCAGAGAACACACAGGTGAGAAGCCTTATGAATGTGAT
GAGTGTGGCGGGCCTTCAGCCAGAGTTCAGGCCTATTCCAGCACCAGAGACTCCACACTGGGGGAAGC
GCTACCGTGCAGTGTGGTGGCAAGCCTTCAGCCAGAATGCCGGGCTTTCCATCACCTCAGAATTCA
CACTGGGAGAAGCCTTACCAGTGAATCAGTGAATAAGAGTTTTAGTCGACGTTTCAGTCTCATTAAAG
CATCAGAGAATTCACACTGGAGAGAGACCTTATGAATGTGAAGAATGTGGCAAGAAGTTCATTTACCATT
GCAACCTAATCCAGCATCGGAAAGTCCACCCAGTGGCTGAATCAAGC

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225594 representing NM_001012455
Red=Cloning site Green=Tags(s)

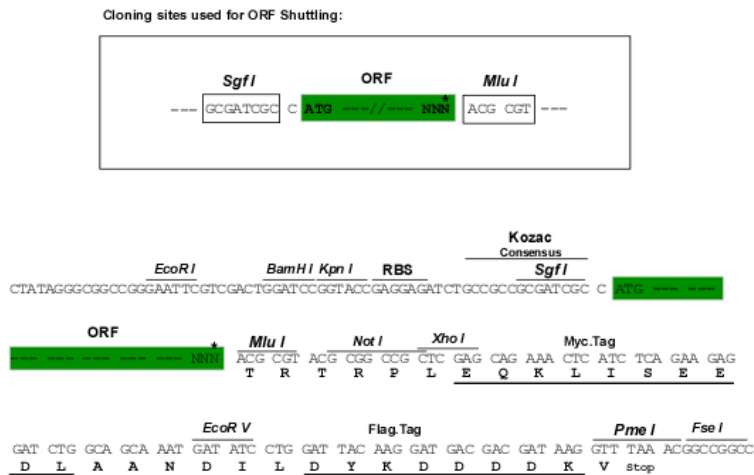
MAITLTLQTAEMQEGLLAVKVKEEEEHSCGPESGLSRNNPHTRIFRRFRQFCYQESPGPREALQRLQ
 ELCHQWLRPEMHTKEQILELLVLEQFLTILPEELQAWVRQHRPVSGETVLEDLERELDDPGEQVLSH
 AHEQEEFVKEKATPGAAQESSNDQFQTLLEEQLGYNLREVCPVQEDGKAGTWNVELAPKREISQEVKSLI
 QVLGKQNGNITQIPEYGDTCDEGRLEKQRVSSSVERPYICSECGKSFTQNSILIEHQRTHTGEKPYECD
 ECGRAFSSQRSGLFQHQRLHTGEKRYQCSVCGKAFSQNAGLFHHLRIHTGEKPYQCNQCNKFSRRSVLIK
 HQRIHTGERPYECEECGKNFIYHCNLIQHRKVHPVAESS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8105_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001012455

ORF Size: 1167 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_001012455.2](#)

RefSeq Size: 3178 bp

RefSeq ORF: 1170 bp

Locus ID: 222696

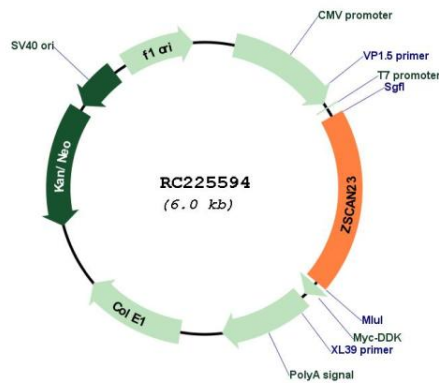
UniProt ID: [Q3MJ62](#)

Cytogenetics: 6p22.1

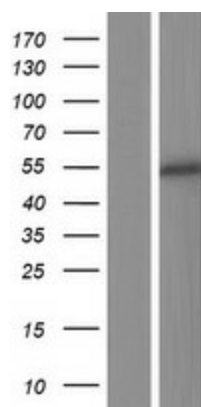
MW: 45 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225594



Western blot validation of overexpression lysate (Cat# [LY425318]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225594 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).