

Product datasheet for **RC216511**

ZNF75 (ZNF75D) (NM_007131) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF75 (ZNF75D) (NM_007131) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF75
Synonyms:	D8C6; ZKSCAN24; ZNF75; ZNF82; ZSCAN28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC216511 representing NM_007131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGATGAGAGAGCTGAACGCGGATTATGCTCAAGCCCCAGATGGGGGCTATGTGGGAGACTAGTG
 GGTCTGTGAAAGAGAACTCCAGTCAGAGTAAGAAATACAGCACAAAAATAGAGAACTTTGGTCTGAGAG
 CGCTTGACAGGCACTTCTGGAGCTTCCGTTATCATGAAGCAACCGACCGCTTGAGACTATCAGCCAACTT
 CAGAAATTGTGCCATCAGTGGCTGAGGCCAGAGATCCACTCAAAAGAGCAGATCTTGAAATGCTGGTGT
 TAGAGCAGTTCTGAGCATTCTGCCAAGGAGACCCAGAAGCTGGTGCAGAAGCATCATCCACAGAATGT
 CAAACAGGCTCTGGTCTGGTGAATTCTGCAGAGGGAGCCTGATGGAACAAAGAATGAGGTACAGGCC
 CATGAGCTGGGAAAGGAGGAGTCTCTGGGAGGAACAGCAGTGGCCCCAGGCTTCAAGTGAAGCCAG
 CAGAGCCCCAACCAATGGGTGTGTTCCAGAAAGAATATTGAATACATACCGGTACTACAAGAACAGCT
 GGGCTGGAACACTCAGAAAGAAACCCAGCCTGTATATGAAAGAGCTGTGCATGATCAACAGATGTTAGCC
 CTTTCTGAGCAGAAAAGAATCAAACACTGGAAGATGGCATCTAAACTCATCCTGCCTGAGTCCCTGAGTT
 TGTGACATTTGAAGATGTGGCTGTGTATTTTCTGAGGAAGAGTGGCAATTATTGAATCCTCTTGAGAA
 GACTCTCTACAATGATGTAATGCAGGATATCTATGAGACTGTCATCTCTAGGGTTAAAGCTAAAAAT
 GACACTGGAAATGATCATCCTATATCTGTTTCTACATCAGAAATACAAACATCAGGATGCGAAGTATCAA
 AAAAGACCAGAATGAAAATTGCCAGAAAACAATGGGCAGGGAATCCTGGTGATACACACAGTGTACA
 GAAATGGCATCGAGCTTTTCAAGGAAGAAAAGAAAGAAACCTGCAACTTGTAACAAGAGCTTCCAAAA
 CTTATGGATCTTCATGGGAAAGGCCACAGGGGAGAAACCTTTAAGTGTGAGGAATGTGGGAAAGCT
 TCAGAGTTAGCTCTGATCTTATTAACACCACAGAATTCACACTGGAGAGAAACCTATAAATGTCAACA
 ATGTGACAGGAGGTTTAGATGGAGTTGAGATCTTAATAAGCACTTCATGACCCATCAAGGAATAAAACCA
 TATAGATGCTCATGGTGTGGGAAAGCTTTAGTCATAACACAAATCTACACACACACAAAGAATTCACA
 CAGGAGAGAAGCCCTTTAAATGTGATGAATGTGGAAGAAAGATTTCATTGAGAACTCCACCTTATTAACA
 CCAGAGAACTCACACAGGTGAGCAGCCTTATACGTGTAGCTTATGCAAGAGAACTTTAGTAGGCGATCG
 AGCCTTCTTAGACACCAGAACTCCACAGAAGAAGGAAGCATGTCTAGTGTCTCCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216511 representing NM_007131
 Red=Cloning site Green=Tags(s)

MAMRELNADSCSSPQMGAMWETSGSVKENSQSKKYSTKIENLGPESACRHFWSFRYHEATGPLETISQL
 QKLCHQWL RPEIHSKEQILEMLVLEQFLSILPKETQNWVQKHHPQNVKQALVLVEFLQREPDGKNEVTA
 HELGKEAVLLGGTAVAPGFKWKPAPQPMGVFQKEYWNTYRVLQEQLGWNTHKETQPVYERAVHDQMLA
 LSEQKRIKHWMASKLILPESLSLLTFEDVAVYFSEEWQLLNPLEKTLYNDVMQDIYETVISLGLKLKN
 DTGNDHPISVSTSEIQTSGCEVSKKTRMKIAQKTMGRENPGDTHSVQKWHRAFPKRKRKPKATCKQELPK
 LMDLHGKGPTEKPFKCEGKSFRVSSDLIKHHRIHTGEKPYKCQCDRRFRWSSDLNKHFMTHQGIKP
 YRCSWCGKSFSHNTNLHTHQRIHTGEKPFKCEGKRFIQNSHLIKHQRTHTGEQPYTCSLCKRNFSSRS
 SLLRHQKLHRRREACL VSPN

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8016_g05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_007131

ORF Size: 1530 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007131.5](#)

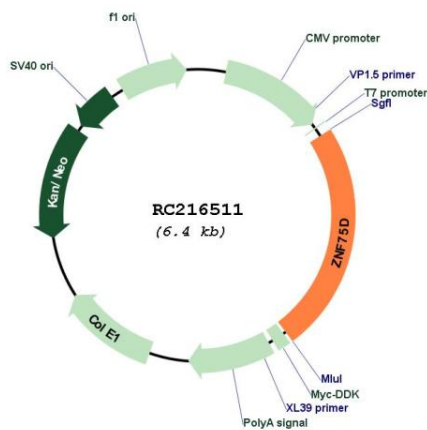
RefSeq Size: 5583 bp

RefSeq ORF: 1533 bp

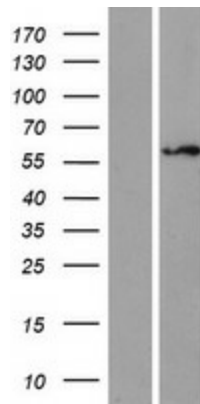
Locus ID: 7626

UniProt ID:	P51815
Cytogenetics:	Xq26.3
Domains:	zf-C2H2
Protein Families:	Transcription Factors
MW:	59.1 kDa
Gene Summary:	This gene encodes a protein that likely functions as a transcription factor. The protein, which belongs to the ZNF75 family, includes an N-terminal SCAN domain, a KRAB box, and five C2H2-type zinc finger motifs. Another functional gene belonging to this family is located on chromosome 16, while pseudogenes have been identified on chromosomes 11 and 12. Alternative splicing results in multiple transcripts variants. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RC216511



Western blot validation of overexpression lysate (Cat# [LY416177]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216511 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).