

Product datasheet for **RG216511**

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:	TurboGFP
Symbol:	ZNF75
Synonyms:	D8C6; ZKSCAN24; ZNF75; ZNF82; ZSCAN28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216511 representing NM_007131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGATGAGAGAGCTGAACGCGGATTATGCTCAAGCCCCAGATGGGGGCTATGTGGGAGACTAGTG
 GGTCTGTGAAAGAGAACTCCAGTCAGAGTAAGAAATACAGCACAAAAATAGAGAACTTTGGTCCTGAGAG
 CGCTTGACAGCACTTCTGGAGCTTCCGTTATCATGAAGCAACCGACCGCTTGAGACTATCAGCCAACTT
 CAGAAATTGTGCCATCAGTGGCTGAGGCCAGAGATCCACTCAAAAGAGCAGATCTTGAAATGCTGGTGT
 TAGAGCAGTTCTGAGCATTCTGCCAAGGAGACCCAGAAGCTGGTGCAGAAGCATCATCCACAGAATGT
 CAAACAGGCTCTGGTCTGGTGAATTCTTGCAGAGGGAGCCTGATGGAACAAAGAATGAGGTACAGCC
 CATGAGCTGGGAAAGGAGGCAGTCTTGGGAGGAACAGCAGTGGCCCCAGGCTTCAAGTGAAGCCAG
 CAGAGCCCCAACCAATGGGTGTGTTCCAGAAAGAATATTGAATACATACCGGTACTACAAGAACAGCT
 GGGCTGGAACACTCACAAGAAACCCAGCCTGTATATGAAAGAGCTGTGCATGATCAACAGATGTTAGCC
 CTTTCTGAGCAGAAAAGAATCAAACACTGGAAGATGGCATCTAAACTCATCCTGCCTGAGTCCCTGAGTT
 TGGTGACATTTGAAGATGTGGCTGTGTATTTTCTGAGGAAGAGTGGCAATTATTGAATCCTCTTGAGAA
 GACTCTCTACAATGATGTAATGCAGGATATCTATGAGACTGTCATCTCTTAGGGTTAAAGCTAAAAAT
 GACACTGGAAATGATCATCCTATATCTGTTTCTACATCAGAAATACAAACATCAGGATGCGAAGTATCAA
 AAAAGACCAGAATGAAAATTGCCAGAAAAACAATGGGCAGGGAATCCTGGTGATACACACAGTGTACA
 GAAATGGCATCGAGCTTTTCCAAGGAAGAAAAGAAAGAAACCTGCAACTTGTAACAAGAGCTTCCAAAA
 CTTATGGATCTTCATGGGAAAGGCCACAGGGGAGAAACCTTTAAGTGTGAGGAATGTGGGAAAAGCT
 TCAGAGTTAGCTCTGATCTTATTAACACACAGAAATTCACACTGGAGAGAAACCTATAAATGTCAACA
 ATGTGACAGGAGGTTTAGATGGAGTTAGATCTTAATAAGCACTTCATGACCCATCAAGGAATAAAACCA
 TATAGATGCTCATGGTGTGGGAAAAGCTTTAGTCATAACACAAATCTACACACACACCAAGAATTCACA
 CAGGAGAGAAGCCCTTTAAATGTGATGAATGTGGAAAAAGATTCAATCAGAACTCCACCTTATTAACA
 CCAGAGAACTCACACAGGTGAGCAGCCTTATACGTGTAGCTTATGCAAGAGAACTTTAGTAGGCGATCG
 AGCCTTCTTAGACACCAGAACTCCACAGAAGAAGGAAGCATGTCTAGTGTCTCCAAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

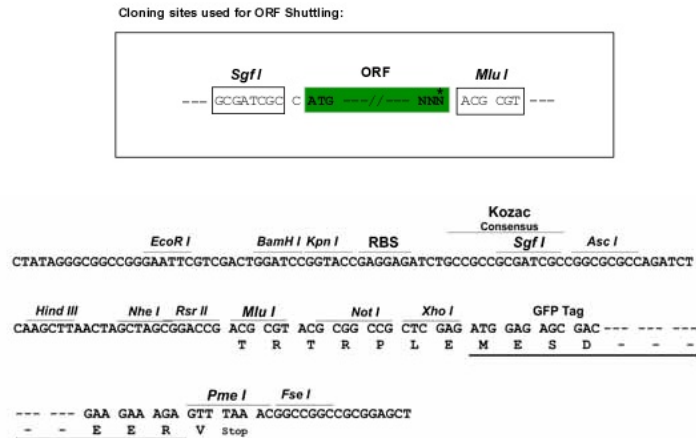
>RG216511 representing NM_007131
 Red=Cloning site Green=Tags(s)

MAMRELNADSCSSPQMGAMWETSGSVKENSSQSKKYSTKIENLGPESACRHFWSFRYHEATGPLETISQL
 QKLCHQWL RPEIHSKEQILEMLVLEQFLSILPKETQNWVQKHPQNVKQALVLEFLQREPDGTKNEVTA
 HELGKEAVLLGGTAVAPGFKWPAEPQPMGVFQKEYWNTYRVLQEQLGWNTHKETQPVYERAVHDQQMLA
 LSEQKRIKHWMASKLILPESLSLLTFEDVAVYFSEEWQLLNPLEKTLYNDVMQDIYETVISLGLKLKN
 DTGNDHPISVSTSEIQTSGCEVSKTRMKIAQKTMGRENPGDTHSVQKWHRAFPKRKRKPATCKQELPK
 LMDLHGKPTGEKPFKCQECGKSFRVSSDLIKHHRIHTGEKPYKCQCDRRFRWSSDLNKHFMTHQGIKP
 YRCSWCGKSFSHNTNLHTHQRIHTGEKPFKCDECGKRFIQNSHLIKHQRTHTGEQPYTCSLCKRNFRRS
 SLLRHQKLHRRREACLSPN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

RefSeq: [NM_007131.5](#)

RefSeq Size: 5583 bp

RefSeq ORF: 1533 bp

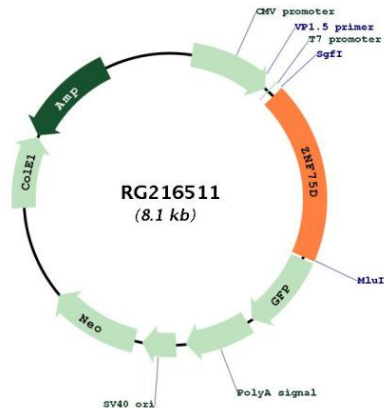
Locus ID: 7626

UniProt ID: [P51815](#)

Cytogenetics: Xq26.3

Domains:	zf-C2H2
Protein Families:	Transcription Factors
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 RG216511