

Product datasheet for **RG205387**

ZNF10 (NM_015394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF10
Synonyms:	KOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205387 representing NM_015394
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGCTAAGTCACTAACTGCCTGGTCCCGGACACTGGTGACCTTCAAGGATGTATTTGTGGACTTCA
 CCAGGGAGGAGTGGAAGCTGCTGGACACTGCTCAGCAGATCGTGTACAGAAATGTGATGCTGGAGAACTA
 TAAGAACCTGGTTTCCTTGGGTTATCAGCTTACTAAGCCAGATGTGATCCTCCGTTGGAGAAGGGAGAA
 GAGCCCTGGCTGGTGGAGAGAGAAATTCACCAAGAGACCCATCCTGATTGAGAGACTGCATTTGAAATCA
 AATCATCAGTTTCCAGCAGGAGCATTTTTAAAGATAAGCAATCCTGTGACATTAATAATGGAAGGAATGCG
 AAGGAATGATCTCTGGTATTTGTCTTGAAGAAGTCTGGAATGTAGAGACCAGTTAGACAAGTATCAG
 GAAAACCCAGAGAGACATTTGAGGCAAGTGGCATTACCCAAAAGAAAGTACTTACTCAGGAGAGAGTCT
 CTGAAAGTGGTAAATATGGGGAACTGTCTTCTTCTGCTCAGCTAGTACTGAGAGAGTATTTCCATAA
 ACGTGACTCACATACTAAAAGTTTAAACATGATTTAGTTCTTAATGGTCATCAGGACAGTTGTGCAAGT
 AACAGTAAATGAATGTGGTCAAACTTTCTGTCAAAACATTACCTTTATTCAGTTTGCAAGAACTCACACAG
 GTGATAAATCCTACAAATGCCCTGATAATGACAACCTCTTACTCATGGTTCATCTCTTGGTATATCAAA
 GGGCATACATAGAGAGAAACCCATGAATGTGAAGGAATGTGGAAAATCTTCAGCTGGCGCTCTAATCTT
 ACTAGGCATCAGCTTATTCATACTGGAGAAAAACCGTATGAGTGTAAGAATGTGGAAAGTCTTTCAGCC
 GGAGTTCTCACCTCATTGGACATCAAAAGACCCATACTGGTGAGGAACCCATGAATGTAAAGAATGTGG
 AAAATCCTTCAGCTGGTTCTCTCACCTTGTACTCATCAGAGAACTCATACAGGAGACAAATGTACACA
 TGTAATCAGTGTGGGAAATCTTTGTTCATAGCTCTAGGCTTATTAGACACCAGAGGACACATCTGAGG
 AGAAACCCATGAATGTCTGAATGTGGGAAATCTTTCAGACAGACACACATCTCATTCTGCATCAGAG
 AACCCATGTGAGAGTGAGGCCCTATGAATGCAATGAATGTGGAAAGTCTTACAGCCAGAGATCTCACCTT
 GTTGTGCATCATAGAATTCACACTGGACTAAAACCTTTTGTGAGTGAAGGATTGTGGAAAATGTTTATGTC
 GAAGCTCTCACCTTATTCACATCAAGAACCACACTGGAGAGAAACCATATGAGTGTGATGTTGTGG
 AAAATCTTTCAGCCAGAGTTCTGCCCTTATTGTGCATCAGAGGATACACTGGAGAGAAACCATATGAA
 TGCTGTGAGTGTGGGAAAGCCTTCATCCGGAAGAATGACCTCATTAAAGCACCAGAGAAATTCATGTTGGAG
 AAGAGACCTATAAATGAATCAATGTGGCATTATCTTCAGCCAGAACTCTCCATTTATAGTTTCATCAAAAT
 AGCTCACACTGGAGAGCAGTTCTTAACATGCAATCAATGTGGGACAGCGCTTGTAAATACCTCTAACCTT
 ATTGGATACCAGACAAATCATATTAGAGAAAATGCTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205387 representing NM_015394
 Red=Cloning site Green=Tags(s)

MDAKSLTAWSRITLVTFKDVFDFTREEWKLDDTAQQIVYRNVMLENYKNLVSLGYQLTKPDVILRLEKGE
 EPWLVEREIQETHPDSEFAFEIKSSVSSRSIFKDKQSCDIKMEGMARNDLWYLSLEEVWKRQDLQDKYQ
 ENPERHLRQVAFQKKVLTQERVSESGKYGGNCLLPAQLVLREYFHKRDSHTKSLKHDLVLNGHQDSCAS
 NSNECGQTFQNIHLIQFARTHTGDKSYKCPDNDNSLTHGSSLGISKGIHREKPYECKECGKFFSWRSNL
 TRHQLIHTGEKPYECKECGKSFSRSSHLIGHQKTHTEEPYCKECKGKSFSWFSHLVTHQRTHTGDKLYT
 CNQCGKSFVHSSRLIRHQRTHTEKPYECPECGKSFRQSTHLILHQRTHVRVPYECNECGKSYQSRL
 VVHHRIHTGLKPFECKDCGKCFSRSSHLVSHQRTHTEKPYECHDCGKSFSQSALIVHQRHTGEKPYE
 CCQCGKAFIRKNDLIKQRIHVGEETYKCNQCGIIFSQNSPFIHQIAHTGEQFLTCNQCGTALVNTSNL
 IGYQTNHIRENAY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015394

ORF Size: 1719 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_015394.3](#)

RefSeq Size: 4417 bp

RefSeq ORF: 1722 bp

Locus ID: 7556

UniProt ID: [P21506](#)

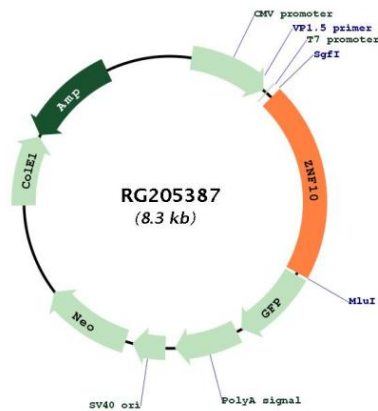
Cytogenetics: 12q24.33

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains a C2H2 zinc finger, and has been shown to function as a transcriptional repressor. The Kruppel-associated box (KRAB) domain of this protein is found to be responsible for its transcriptional repression activity. RING finger containing protein TIF1 was reported to interact with the KRAB domain, and may serve as a mediator for the repression activity of this protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205387