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Product datasheet for RG208816

ZNF384 (NM_001039920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF384 (NM_001039920) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF384
Synonyms:	CAGH1; CAGH1A; CIZ; ERDA2; NMP4; NP; TNRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG208816 representing NM_001039920
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAATCTCACTTCAATTCTAACCCGTACTTCTGGCCTTCTATCCCCACAGTCTCAGGTCAGATCG
AGAACACAATGTTCATCAACAAGATGAAGGATCAGCTGTTGCCAGAGAAGGGCTGTGGTCTGGCCCCACC
TCACTACCCCACCTTGCTGACAGTGCCTGCCTCAGTGTCCCTGCCCTCAGGCATCAGTATGGACACAGAG
TCCAAGTCAGACCAGCTGACCCCACACAGCCAAGCGTCCGTTACCCAGAATATCACGGTGGTCCCTGTGC
CGTCTACAGGACTGATGACTGCTGCCCTGCAGGTTGTCCCTGACCTCTCCAAGAAGGTAGCATCGACCCT
AACCGAGGAAGGAGGCGGAGGTGGTGGTGGAGGTGGCAGTGTGGCTCCTAAGCCACCCCGGGGCCGGAAG
AAGAAGCGGATGCTGGAATCAGGGCTGCCCGAGATGAATGACCCTTATGTCCTCTCCCCTGAGGATGATG
ATGACCATCAGAAAGACGGCAAGACCTACAGGTGCCGGATGTGCTCACTGACATTCTACTCCAAGTCGGA
GATGCAGATCCACTCCAAGTCACACACCGAGACCAAGCCCCACAAGTGCCCACATTGCTCCAAGACCTTC
GCCAACAGCTCCTACCTGGCCCAGCACATCCGTATACACTCAGGGGCTAAGCCCTACAGTTGTAACTTCT
GTGAGAAATCCTTCCGCCAGCTCTCCCACCTTCAGCAGCACACCCGAATCCACACTGGTGATAGACCATA
CAAATGTGCACACCCAGGCTGTGAGAAAGCCTTCACACAACTCTCCAATCTGCAGTCCCACAGACGGCAA
CACAACAAAGATAAACCCTTCAAGTGCCACAACTGTCATCGGGCGTACACGGATGCAGCCTCACTAGAGG
TGCACCTGTCTACGCACACAGTGAAGCATGCCAAGGTGTACACCTGCACTATCTGCAGTCGGGCATACAC
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GCAGCAGCAGCGGCAGCAGTGGCCCAGGCCCAGGCTCAAGCTCAAGCCCAGGCTCAGGCTCAGGCTCAAG
CCCAGGCCCAGGCCCAGGCCTCCCAGGCATCACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCA
GCAACAGCCACCACCACACTTCCAGTCTCCTGGGGCAGCCCCCCAGGGTGGGGGTGGTGGGGACAGCAAT
CCCAACCCTCCACCCCAGTGTTCCTTTGACCTGACCCCGTATAAGACGGCGGAGCATCATAAGGACATCT
GCCTCACTGTCACCACCAGCACCATCCAGGTGGAGCACCTGGCCAGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

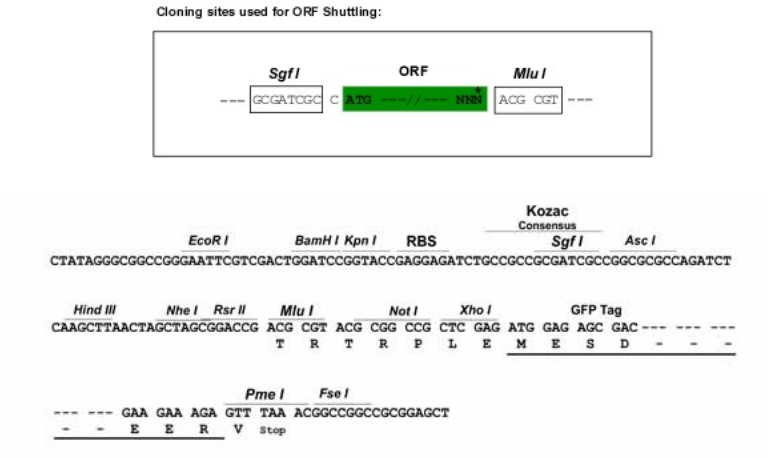
>RG208816 representing NM_001039920
Red=Cloning site Green=Tags(s)

MEESHFNSNPYFWPSIPTVSGQIENTMFINKMKDQLLPEKGCGLAPPHYPTLLTVPASVSLPSGISMDTE
SKSDQLTPHSQASVTQNITVVPVPSTGLMTAALQVVPDLSKKVASTLTEEGGGGGGGGSVAPKPPRGRK
KKRMLESGLPEMNDPYVLSPEDDDDHQKDGKTYRCRMCSLTFYSKSEMQIHSKSHTETKPHKCPHCSKTF
ANSSYLAQHIRIHSGAKPYSCNFCEKSFRQLSHLQQHTRIHTGDRPYKCAHPGCEKAFTQLSNLQSHRRQ
HNKDKPFKCHNCHRAYTDAASLEVHLSTHTVKHAKVYTCTICSRAYTSETYLMKHMRKHNPPDLQQQVQA
AAAAAAVAQAQAQAQAQAQAQAQAQAQAQASQASQQQQQQQQQQQQQQQPPPHFQSPGAAPQGGGGGDSN
PNPPPQCSFDLTPYKTAEHHKDICLTVTTSTIQVEHLASS

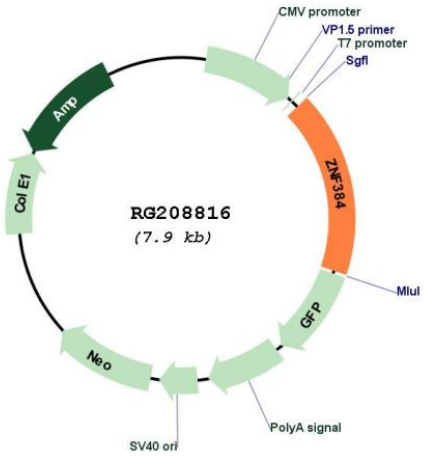
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001039920

ORF Size: 1383 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_001039920.1, NP_001035009.1
RefSeq Size:	2824 bp
RefSeq ORF:	1386 bp
Locus ID:	171017
UniProt ID:	Q8TF68
Cytogenetics:	12p13.31
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a C2H2-type zinc finger protein, which may function as a transcription factor. This gene also contains long CAG trinucleotide repeats that encode consecutive glutamine residues. The protein appears to bind and regulate the promoters of the extracellular matrix genes MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Alternative splicing results in multiple transcript variants. Recurrent rearrangements of this gene with the Ewing's sarcoma gene, EWSR1 on chromosome 22, or with the TAF15 gene on chromosome 17, or with the TCF3 (E2A) gene on chromosome 19, have been observed in acute leukemia. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Apr 2011]