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Product datasheet for RG219310

ZNF382 (NM_032825) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF382
Synonyms:	KS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG219310 representing NM_032825
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTTACAGGGATCAGTGTCATTCAAGGATGTGACTGTGGACTTCACCCAGGAGGAGTGGCAGCAAC
TAGACCCTGCTCAGAAGGCGCTTTACAGGGATGTGATGTTGGAAAACTATTGCCACTTCGTATCTGTGGG
GTTTCACATGGCTAAGCCTGATATGATCCGCAAGTTGGAACAAGGAGAAGAGCTATGGACACAGAGAATT
TTTCCAAGTTACAGCTACCTAGAAGAAGATGGGAAAACTGAAGATGTCTTAGTGAAGTTCAAAGAATACC
AAGACAGGCATTCTAGACCCCTCATATTCATCAACCACAAAAAACTAATTAAGGAGAGAAGTAATATTTA
TGGTAAAACATTTACTCTAGGCAAGAACCGTATTTCAAAAACAATACTATGTGAATATAAACCTGATGGA
AAAGTTTTGAAAAATATTTCAGAACTAGTCATTAGAAATATAAGCCCCATAAAAGAGAAGTTTGGTGACA
GTACTGGATGGGAGAAATCACTCCTCAATACCAAGCATGAGAAAATTCATCCTGCAGTGAATCTCCATAA
ACAAACAGAAAGAGTTCTCAGTGGTAAACAGGAGCTTATTCAGCATCAGAAGGTTCAAGCTCCAGAGCAA
CCATTTGACCATAATGAATGTGAAAAATCCTTCCTGATGAAAGGAATGCTATTTACACATACTAGAGCTC
ACAGAGGAGAAAGAACCTTTGAATACAATAAAGATGGAATTGCCTTCATAGAAAAGTCAAGCCTCAGTGT
CCATCCAAGTAATCTTATGGAAAAGAAGCCCTCTGCCTACAACAAATATGGGAAATTCCTCTGCAGAAAG
CCTGTTTTTATTATGCCTCAGAGACCTCAAACAGAAGAGAAACCCTTTCACTGTCCTTACTGTGGGAATA
ACTTTAGAAGGAAGTCATACCTCATTGAACATCAGCGAATTCACACAGGTGAAAAACCTTATGTTTGCAA
TCAATGTGGAAAGGCCTTCCGTCAGAAGACAGCCCTCACCCTTCATGAGAAAACACATATAGAGGGGAAA
CCCTTTATTTGTATCGATTGTGGGAAGTCCTTCCGCCAGAAGGCCACCCTCACTAGACATCACAAAACAC
ATACGGGGGAGAAAGCCTATGAATGTCCTCAGTGTGGAAGTGCCTTTAGGAAGAAGTCATACCTCATTGA
TCACCAGAGAACTCACACAGGAGAGAAACCGTATCAGTGTAATGAGTGTGGGAAGGCATTTATCCAGAAG
ACAACCCTCACTGTTCATCAGAGAACTCACACAGGAGAGAAACCCTATATTTGCAATGAATGTGGGAAGT
CCTTCTGCCAAAAGACAACCCTCACTCTCCACCAGAGAATTCACACGGGGGAAAAACCCTATATTTGTAA
TGAATGTGGGAAGTCCTTCCGCCAGAAGGCAATCCTCACTGTTCATCACAGAATACATACAGGAGAAAAA
TCCAATGGGTGTCCTCAGTGTGGGAAAGCCTTCAGTAGGAAATCAAACCTCATTCGCCATCAGAAAACTC
ACACAGGCGAGAAACCATATGAATGTAAACAGTGTGGGAAGTTCTTCAGTTGTAAGTCAAACCTCATTGT
CCATCAGAAAACTCACAAGGTAGAAACCACGGGAATTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219310 representing NM_032825
Red=Cloning site Green=Tags(s)

MPLQGSVSFKDVTVDFTQEEWQQLDPAQKALYRDVMLENYCHFVSVGFHMAKPDMIRKLEQGEELWTQRI
FPSYSYLEEDGKTEDVLVKFKEYQDRHSRPLIFINHKKLIKERSNIYGKTFTLGKNRISKTILCEYKPDG
KVLKNISELVIRNISPIKEKFGDSTGWEKSLLNTKHEKIHPAVNLHKQTERVLSGKQELIQHQKVQAPEQ
PFDHNECEKSFLMKGMLFTHTRAHRGERTFEYNKDGIAFIEKSSLSVHPSNLMEKKPSAYNKYGKFLCRK
PVFIMPQRPQTEEKPFHCPYCGNNFRRKSYLIEHQRIHTGEKPYVCNQCGKAFRQKTALTLHEKTHIEGK
PFICIDCGKSFRQKATLTRHHKTHTGEKAYECPQCGSAFRKKSYLIDHQRTHTGEKPYQCNECGKAFIQK
TTLTVHQRTHTGEKPYICNECGKSFCQKTTLTLHQRIHTGEKPYICNECGKSFRQKAILTVHHRIHTGEK
SNGCPQCGKAFSRKSNLIRHQKTHTGEKPYECKQCGKFFSCKSNLIVHQKTHKVETTGIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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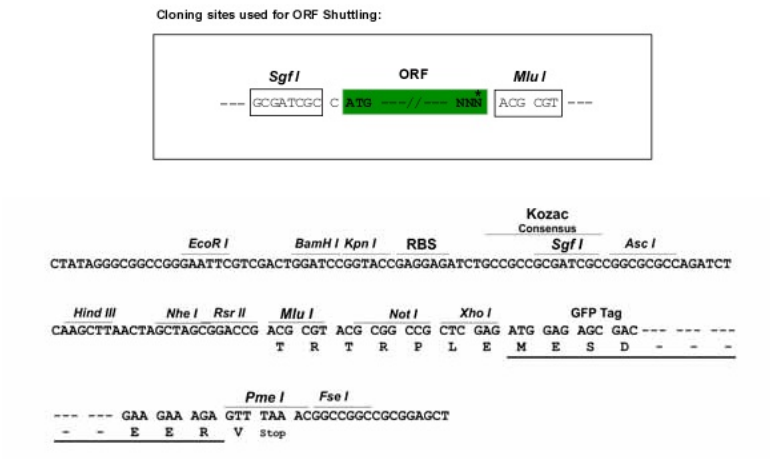
Cloning Scheme:



ACCN: NM_032825

ORF Size: 1650 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_032825.5

RefSeq Size: 2830 bp

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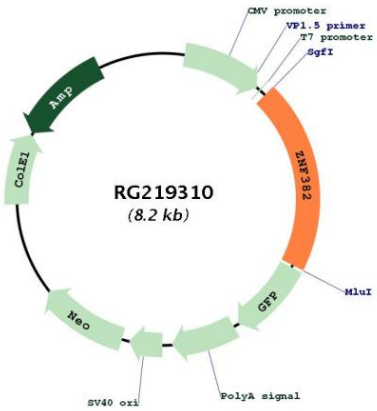
RefSeq ORF:	1653 bp
Locus ID:	84911
UniProt ID:	Q96SR6
Cytogenetics:	19q13.12
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a KRAB domain zinc finger transcription factor (KZNF). KZNFs play critical roles in the regulation of many cellular processes including differentiation, proliferation and apoptosis. The encoded protein inhibits activating protein 1 (AP-1) and nuclear factor kappa-B (NF-kB) signaling and may function as a tumor suppressor in multiple carcinomas. This gene is found in a cluster with other zinc finger protein genes on the long arm of chromosome 19, and alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG219310

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