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Product datasheet for RG219433

ANKRD5 (ANKEF1) (NM_022096) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD5 (ANKEF1) (NM_022096) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD5
Synonyms:	ANKRD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG219433 representing NM_022096
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTAGCAGATAAGGGACTTGAGAACTTACAGATCTACAAAGTTCTTCAATGTGTGCGGAACAAAG
ACAAGAAGCAGATAGAGAAGCTGACCAAGCTTGGATACCCTGAACTAATCAATTATACAGAACCCATTAA
TGGGCTTAGTGCTTTGCACTTAGCCTCAGTTTCCAATGATATTGATATGGTCAGCTTTCTCCTTGACCTT
GGTGCTCACCCTGATGTGCAAGACCGAATGGGCTGTACTCCCACAATGAGGGCTGCAGAACTGGGCCATG
AATTGTCAATGGAAATATTAGCAAAGGCAAAGGCTGATATGACTATAGTTGATAATGAAGGAAAAGGTGT
TTTGTTTTACTGCATTTTACCGACTAAGCGGCATTATCGCTGTGCTCTGATCGCCCTTGAACATGGTGCA
GATGTCAACAATTCTACCTATGAAGGAAAGCCAATATTCCTTAGAGCTTGTGAAGATGCACATGATGTTA
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AGCTTTAATGGAAGCGTCAAGAGAAGGGGTAGTGGAAATAGTTCGAGGCATATTGGAAAGAGGAGGTGAA
GTGAATGCATTTGACAACGACAGGCATCACGCTGCTCATTTTGCTGCTAAAGGAGGCTTTTTCGATATAT
TGAAGCTTCTTTTTGCCTACAATGGAGACGTGGGGCTGATTTCGATAAATGGGAACACACCACTTCATTA
TGCTGCCATGGGTGGTTTTGCAGACTGCTGTAAATATATAGCTCAGCGAGGATGTGACCTGAAATGGAAG
AATTTAGATCATAAAACGCCCAGGGCTGTGGCTAAGGAAGGCGGCTTCAAAGCAGCAAGCAAAGAAATAC
GCCGAGCAGAGAGAATCGCTAATAAACTAGCCAGGCCAGGAGCCAAAAATCCAAATCCACTGTGGGCCCT
TAGACTGCACGATTGGTCCGTAGAACGTGAGGCTTTCCTCCGGGAAGCCTTTGCGGTTTTAGACAGGGGT
GATGGAAGCATCAGCAAGAACGACTTCGTGATGGTGTTGGAGGAAAGGCAGGATTATGCAAGCTCAGAAC
AGCTGGCTGCCATCGCTCACCTTCATGAGAAAACCCGGGGAGGAGGGGTCAATATTAATGAATTCTTTAA
AGGAACCAGATATTTAAACAAGTCTTTTGTCTTAGGATCGTATGGACCTAAGAAAAAGGAAAAAGGGATG
GGCAAAAAAGGAAAGAAAGGGAAATTTGTCTTACCCCTTCCAATCTGTGTCATTCCTGAGTACGCGTTTC
CACGCCGGCAGGATGGTGGGCCACCGTATTACATGATTGAGACCTACAAGAATGTCACTGATAGCAGCCG
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CATAGATGTGGTCAAGTTTCTTCTTGAAAAAGGAGCTAACGTTAATGCAACAGATAACTTTCTGTGGACT
CCACTTCATTTTGCATGCCATGCAGGCCAACAAGACATTGTTGAGCTTCTTGTTGAATCTGGAGCTTTAA
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AAAATACCTACTTGATATTGGTGCTAAATTCCAGCTGGAAAATAGAAAAGGGCATAGTGCCATGGACGTT
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CAGAAAATCAAAAACTAAAAGGCAAGACACCTCCTATACTGAAGACTGAAGGCCCTGAAATTAAGAAAGA
AGAGGAACTGCTGTCATCAATTTATGGTGTACCAACCACATCAGAGGGAAAGAAAGTACAGAAGGGTAAT
GTGGTTCATCTGAATTCATTGATTACCAGTGGTTATACTAAGAAAGTGGATATCACATTTATTCCACGGA
GGATTTGGAGTCCTGAAGCCACAACAGCAGAGCTGATCAGGAAGAGGGAACTACGGCGAGAGAGGTTTAC
ACATGAGGTGGACTTCGACGATTTTATGATGCCTTTTCAGAAGAACATCACAGAGAAAGCTCGAGCACTG
GAAGCTGCCTTGAAGACC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

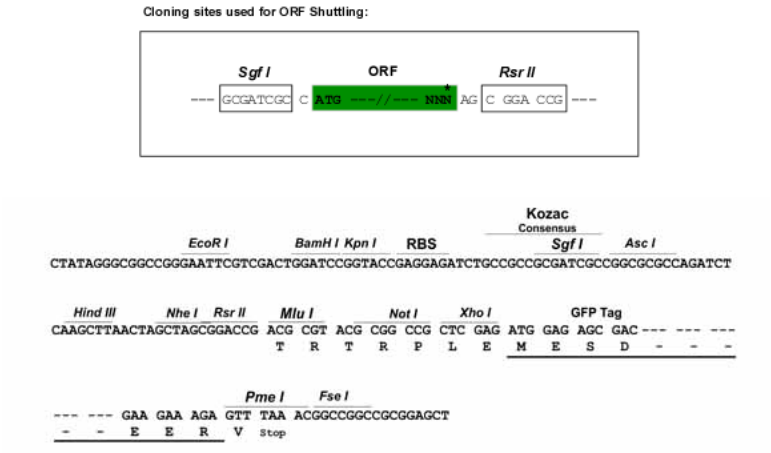
>RG219433 representing NM_022096
Red=Cloning site Green=Tags(s)

MALADKGLENLQIYKVLQCVRNKDKKQIEKLTKLGYPELINYTEPINGLSALHLASVSNDIDMVSFLLDL
GAHPDVQDRMGCTPTMRAAELGHELSMEILAKAKADMTIVDNEGKGVLFYCILPTKRHYRCALIALEHGA
DVNNSTYEGKPIFLRACEDAHDVKDVCLTFLEKGANPNAINSSTGRTALMEASREGVVEIVRGILERGGE
VNAFDNDRHHAAHFAAKGGFFDILKLLFAYNGDVGLISINGNTPLHYAAMGGFADCCKYIAQRGCDLKWK
NLDHKTPRAVAKEGGFKAASKEIRRAERIANKLARPGAKNPNPLWALRLHDWSVEREAFLREAFAVLDRG
DGSISKNDFVMVLEERQDYASSEQLAAIAHLHEKTRGGGVNINEFFKGTRYLNKSFVLGSYGPKKKEKGM
GKKGKKGKFVLPLPICVIPEYAFPRRQDGGPPYYMIETYKNVTDSSRFNRDHPPEHPIQDDSVWYIDDSE
KVFSNINIITKAGDLASLKKAFESGIPVDMKDNYYKTPLMTACASGNIDVVKFLLEKGANVNATDNFLWT
PLHFACHAGQQDIVELLVESGALIDAASINNSTPLNRAIESCRLDTVKYLLDIGAKFQLENRKGHSAMDV
AKAYADYRIIDLIKEKLDNLPKPAENQKLKGKTPPILKTEGPEIKKEEELLSSIYGVPTTSEGKKVQKGN
VVHLNSLITSGYTKKVDITFIPRRIWSPEATTAELIRKRELRRERFTHEVDFDDFMMPFQKNITEKARAL
EAALKT

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_022096

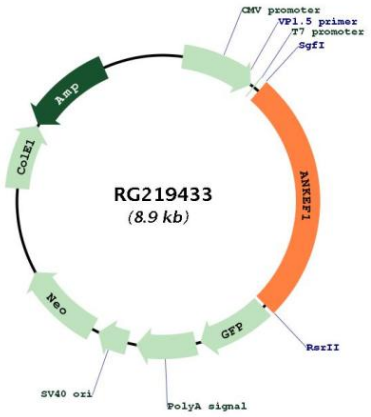
ORF Size: 2328 bp

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_022096.3
RefSeq Size:	3839 bp
RefSeq ORF:	2331 bp
Locus ID:	63926
UniProt ID:	Q9NU02
Cytogenetics:	20p12.2

Product images:



Circular map for RG219433