

Product datasheet for **RG216235**

ANKRD45 (NM_198493) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANKRD45
Synonyms:	CTI17
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216235 representing NM_198493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCAGAAGGACCTCCAGAGTCAGAGAGTTCAGAATTTTCTCACAGCAAGAAGAGGAAAAATGAAG
AAGAAGAAGCCCAAGAACCAGAGGAAACAGGCCCTAAGAACCCCTTTTACAACCTGCTCTCACAGGGGA
TGTAAGAGGTTTGCAGAAGATTTGAGGATCCTGAGAATCCTCATCATGAACAGGCCATGCAGCTTCTC
TTAGAAGAAGACATCGTTGGGAGAAATTTGTTGTATGCAGCTTGCATGGCTGGGCAAGTGACGTGATTA
GAGCTTTGGCAAAATATGGTGTGAATCTGAATGAAAAAACCCAGAGGGTACACACTCTTACATTGTGC
TGCAGCCTGGGGTCGTTTGGAACTTTGAAAGCACTGGTAGAACTGGATGTTGATATAGAAGCTTTGAAC
TTCCGGGAAGAAAGGGCTCGAGATGTTGCTGCTAGATATTCTCAGACTGAGTGTGTTGAATTCCTGGACT
GGGCAGATGCAAGGCTGACTCTGAAAAATATATTGCAAAAGTCTCTTTAGCTGTTACTGACACAGAAAA
GGGATCAGGGAACTCCTTAAGGAAGACAAGAATACCATCCTCAGTGCATGCCGTGCAAAAAATGAGTGG
TTGAAACCCATACAGAAGCTTCCATTAATGAGCTTTTGGAGCAGAGACAACAAGTGAAGATATTGTGA
CTCCTATCTTCACAAAAATGACTACACCATGTCAAGTGAAGTGCCTCAATCTGTAAACAGCCATGACCA
GAAGAGAAGTCAAGATGATACCTCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



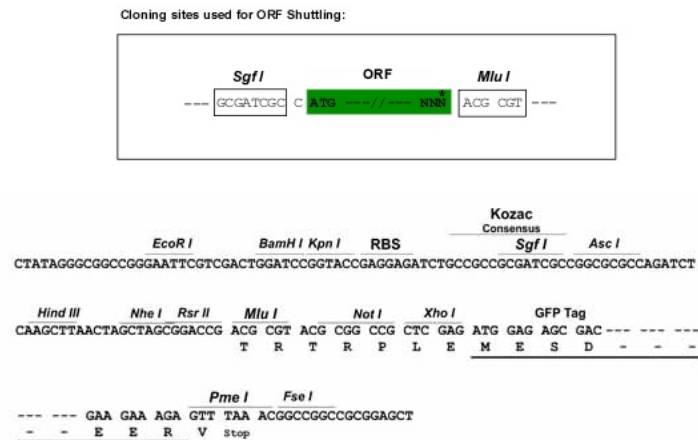
Protein Sequence: >RG216235 representing NM_198493
 Red=Cloning site Green=Tags(s)

MESEGPPESESSEFFSQQEEENEEEEEAEPEETGPKNPLLQPALTGDVEGLQKIFEDPENPHHEQAMQLL
 LEEDIVGRNLLYAACMAGQSDVIRALAKYGVNLNEKTTRGYTLHCAAAGRLETLKALVELDVEDIEALN
 FREERARDAARYSQTECFELDWADARLTLLKYYIAKVSLAVTDTEKSGKLLKEDKNTILSACRAKNEW
 LETHTEASINELFEQRQQLDIVTPIFTKMTTPCQVKSASVTSHDQKRSQDDTSN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198493

ORF Size: 798 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_198493.3

RefSeq Size: 2670 bp

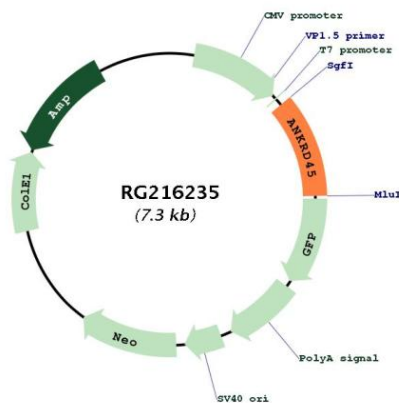
RefSeq ORF: 801 bp

Locus ID: 339416

UniProt ID: Q5TZF3

Cytogenetics: 1q25.1

Product images:



Circular map for RG216235