

Product datasheet for **RG235393**

ANKRD11 (NM_001256183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD11 (NM_001256183) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD11
Synonyms:	ANCO-1; ANCO1; LZ16; T13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235393 representing NM_001256183 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGGGTGGGTGCCCTAAAGCACACAGCAGGAAGAGCTTCCCCTCAGCAGCGACATGGTGGAGA
AGCAGACTGGGAAAAAGGATAAAGATAAAGTTTCTCTAACCAAGACCCCAAACTGGAGCGTGGCGATGG
CGGAAGGAGGTGAGGGAGCGAGCCAGCAAGCGGAAGCTGCCCTTACCAGCGGCCCAATGGGAGCAG
AAGGACTCGGACACAGAGAAGCAGGGCCCTGAGCGGAAGAGGATTAAGAAGGAGCCTGTCACCCGGAAGG
CCGGGCTGCTGTTGGCATGGGGCTGTCTGGAATCCGAGCCGGCTACCCCTCTCCGAGCGCCAGCAGGT
GGCCCTTCTCATGCAGATGACGGCCGAGGAGTCTGCCAACAGCCAGTGGACACAACACCAAGCACCCC
TCCAGTCTACAGTGTGTGAGAAGGGAACGCCAACTCTGCCTCAAAAACCAAAGATAAAGTGAACAAGA
GAAACGAGCGTGGAGAGACCCGCCTGCACCGAGCCGCCATCCGCGGGGACGCCCGGCGCATCAAAGAGCT
CATCAGCGAGGGGCGAGACGTCAACGTCAAGGACTTCGCAAGGCTGGACGGCGCTGCACGAGGCGCTGTAAC
CGGGGCTACTACGACGTGCGAAGCAGCTGCTGGCTGCAGGTGCGGAGGTGAACCAAGGGCCTAGATG
ACGACACGCCCTTGCACGACGCTGCCAACACGGGCACTACAAGGTGGTGAAGTGTCTGTCGGTACGG
AGGGAACCCGACAGAGCAACAGGAAAGGCGAGACGCCGCTGAAAGTGGCAACTCCCCACGATGGTG
AACCTCCTGTTAGGCAAAGGCATTACACTTCCAGCGAGGAGAGCTCGACGGAGAGCTCAGAAGAGGA
ACGACCATCCTTCGCACCTTCCAGTTCAGTTCGACGGCAACAACACGGACTCCGAGTTCGAAAAAGGCT
CAAGCACAAAGCCAAGAACCAGAGCCACAGAAGGCCACGGCCCCGTC AAGGACGAGTATGAGTTTGAT
GAGGACGACGAGCAGGACAGGGTCTCCGGTGGACGACAAGCACCTATTGAAAAAGGACTACAGAAAAG
AAACGAAATCCAATAGTTTTATCTCTATACCCAAATGGAGGTTAAAAGTTACACTAAAAATAACACGAT
TGCACCAAAGAAAGCGTCCCATCGTATCCTGTCAGACACGTCGGACGAGGAGGACGCGAGTGTACCCTG
GGGACAGGAGAGAAGCTGAGACTCTCGGCACATACGATATTGCCTGGTAGTAAGACACGAGAGCCTTCTA
ATGCCAAGCAGCAGAAGGAAAAAATAAAGTGAAGAAGGCAAGAAAGAAACAAAAGGCAGAGAGGT
TCGCTTCGAAAGCGGAGCGACAAGTTCTGCTCCTCGGAGTCCGAGAGCGAGTCTCAGAGAGTGGGGAG



[View online »](#)

GATGACAGGGACTCTCTGGGGAGCTCTGGCTGCCTCAAGGGGTCCCCGCTGGTGTGAAGGACCCCTCCC
TGTTTCAGTCCCTCTCTGCCTCCTCACCTCGTCTCACGGGAGCTCTGCCGCCAGAAAGCAGAACCCAG
CCACACAGACCAGCACACCAAGCACTGGCGGACAGACAATTGGAAAACATTTCTTCCCCGGCTTGGTCA
GAGGTCAGTTCTTTATCAGACTCCACAAGGACGAGACTGACAAGCGAGTCTGACTACTCTCTGAGGGCT
CCAGTGTGGAATCGCTGAAGCCAGTGAGGAAGAGGACAGGACACAGGAAGCGAGCCTCCCTGTCCGGAGAA
GAAGAGCCCTTCTGTCCAGCGCGGAGGGCGCTGTCCCCAACTGGACAAGGAGGGGAAAGTTGTCAA
AAACATAAAAACAAAACAAAACAAAACAAGGAGAAGGACAGTGTCCATCAGCCAAGAGCTGAAGT
TGAAAAGTTTTACTTACGAATATGAGGACTCCAAGCAGAAGTCAGATAAGGCTATACTGTTAGAGAATGA
TCTTCCACTGAAAAAAGCTAAAAAGTGTAAAGCACGATCGCGACCACTTTAAAAAAGAAGAGAAACTT
AGCAAAATGAAATTAGAAGAAAAAGAAATGGCTCTTTAAAGATGAAAAATCACTGAAGAGAAATCAAAGACA
CAAACAAAGACATCAGCAGGTCTTTCCGAGAAGAGAAAGACCGTTTCAATAAAGCAGAAAAGGAGAGATC
GCTGAAGGAAAAGTCTCCGAAAGAAGAAAACTGAGACTGTACAAAGAGGAGAGAAAAGAAATCAAAA
GACCGGCCCTCAAATTAGAGAAGAAGATGATTTAAAAGAGGACAAAATTTCAAAGAGAAGGAGAAGA
TTTTTAAAGAAGATAAAGAAAACTCAAAAAGAAAAGGTTTATAGGGAAGATTCTGCTTTTGACGAATA
TTGTAACAAAAATCAGTTTCTGGAGAATGAAGACCAAAATTTAGCCTTTCTGACGATCAGCGAGATCGG
TGTTTTCTGACTTGCCGATTATCCTTTGATTTCAAAGGGGAGGACAGCTGGGACTCGCCAGTGACAG
ACTACAGGGACATGAAGAGCGACTCTGTGGCCAAGCTCATCTTGGAGACGGTGAAGGAGGACAGCAAGGA
GAGGAGCGGGACAGCCGGGCCGGGAGAGCGGAGACTACAGAGAGCCCTTCTTCCGAAAGAAGGACAGG
GACTATTTGGATAAAAATCTGAGAAGAGGAAAGAGCAGACCGAAAAGCATAAAAAGTGTCCCTGGCTACC
TTTCGAAAAGGACAAGAAGAGGAGAGAGTCCGCAGAGGCCGGGCGGGACAGAAAGGACGCCCTGGAGAG
CTGCAAGGAGCGCAGGGACGGCAGGGCCAAGCCGAGGAGGCGCACCGGGAGGAGCTGAAGGAGTGTGGC
TGCGAGAGTGGCTTCAAGGACAAGTCCGACGGCGACTTTGGGAAGGGCTGGAGCCGTGGAAACGGCACC
ACCCAGCACGAGAGAAGGAGAAGGATGGCCCGGATAAGGAAAGGAGAAGGACAAAACAGAAAAG
ATCAAAAGAGAAAATCCAGTGACAAGGACAAAAGTGAAGAAATCAATCCTGGAAAAATGTGAGAAGGACAAA
GAATTTGATAAATGTTTTAAAGAGAAAAAAGATACCAAGGAAAAACATAAAGACACACATGGCAAAGACA
AAGAAAGGAAAGCGTCTCTCGACCAAGGAAAAGAGAAGGAGAAGGCTTTCCCTGGGATCATCTCAGA
AGACTTCTCTGAAAAAAGATGACAAGAAAGGCAAAGAGAAAAGCTGGTACATCGCAGACATCTTCACA
GATGAGAGTGAGGACGACAGAGACAGCTGCATGGGGAGCGGGTTCAAGATGGGAGAGGCCAGCGACTTGC
CGAGGACGGACGGCTCCAGGAGAAGGAGAAGGACGGGAGCCATGCCTCCGACAGACACAGGAAGTC
TTCTGACAAGCAGCACCTGAGAGGCAGAAGGACAAGGAGCCAGAGACAGGAGAAGGACCGAGGGGCT
GCCGACGGGGAGAGACAAAAAGAGAAAGTCTTTGAAAAGCACAAGGAGAAGAAGGATAAAGAGTCCA
CAGAAAAGTACAAGGACAGGAAGGACAGAGCCTCAGTGGACTCCACGCAAGATAAGAAAAATAAACAGAA
GCTCCCCGAGAAGGCTGAAAAGAAGCACGCTGCCGAAGACAAGGCTAAAAGCAAACAAAAGAGAAGTCCG
GACAAAGAACATTCGAAGGAGAGGAAAGTCTCGAGAAGTGCCGACGCGGAAAAAAGCCTGCTTGAAGAGT
TGGAAAGAAGGCTCTCCATGAGTACAGAGAAGACTCCAACGATAAAATCAGCGAGGTCTCCTCTGACAG
CTTACGGACCGAGGGCAGGAGCCGGGCTGACTGCCTTCTGGAGGTCTTTTACGGAGCCACCTGGA
GACGACAAGCCGAGGGAGAGCGCCTGCCTCCCTGAGAAGTGAAGAGAAGGAGAGGCACAGACTCCT
CATCTTCAACAAGAAGGCCACGACCGAGAGCGCAAGAAAGAGAAGGCCGAGAAGAAAGAGAAGGG
CGAAGATTACAAGGAGGGCGGTAGCAGGAAGGACTCCGGCCAGTACGAAAAGGACTTCTGGAGGCGGAT
GCTTACGGAGTTTCTTACAACATGAAAGCTGACATAGAAGATGAGCTAGATAAAACCATTAAGTTT
CTACCGAAAAGAAAGATAAAAATGATTCGAGAGAGAACCCTTCAAGAAAATAGAAAAGGAACTAAAGCC
TTATGGATCTAGTGCCATCAACATCCTAAAAGAGAAGAAGAAGAGAGAGAAAACAGGGAGAAAATGGAGA
GACGAGAAGGAGAGGCACCGGGACAGGCATGCGGATGGGCTGCTGCGGCATCACAGGGACGAGTCTGCTG
GGCATCACAGGGACGAGCAGAAGCCGCCACCAGGGACAAGGACAGCCCGCCCGCTGCTCAAAGACAA
GTCCAGGGACGAGGGCCGAGGCTCGGCGATGCCAACTGAAGGAGAATTAAGGACGGTGCAGAGAAA
GAAAAGGGCGACCAAGTGAAGATGAGCAACGGGAATGATAAGGTAGCGCCATCAAAGACCCAGGCAAGA
AAGACGCCAGGCCAGGGAGAAGCTCCTGGGGACGGCGACCTGATGATGACCAGCTTCGAGAGGATGCT
GTCCAGAAAGGACCTGGAGATCGAGGAGCGCCACAAGCGGCACAAGGAGAGGATGAAGCAATGGAGAAG
CTGAGGACCCGGTCCGGAGACCCAAAGCTCAAGGAGAAGGCGAAGCCGGCAGACGAGGGCGGAAGAAGG
GTCTGGACATTCTGCTAAGAAACCGCCGGGGCTGGACCTCCATTTAAAGACAAAAAGCTCAAAGAGTC
GACTCCTATTCCACTGCCGCGGAAAAAAGCTACACCCAGCATCAGGTGCAGACTCAAAGACTGGCTG
GCAGGCCCTCACATGAAAGAGGTCTGCCTGCGTCCCCAGGCCGTGACCAGAGCCGGCCACTGGCGTGC

CCACCCCTACGTCGGTGCTATCCTGCCCCAGCTACGAGGAGGTGATGCACACGCCAGGACCCCGTCTCTG
CAGCGCCGATGACTACGCGGACCTCGTGTTCGACTGCGCCGACTCGCAGCACTCCACGCCGTGCCACC
GCTCCCACGAGCGCTGCTCCCCCTCTTTTTCGACAGGTTCTCCGTGGCTTCAAGTGGGCTTTCGGAAA
ACGCCAGCCAGGCTCTGCCAGGCTCTCTCCACAAACCTTTACCGCTCGGTCTCTGTGACATTAGGAG
GACCCCGAGGAAGAATTACGCGTCGGAGACAAGCTCTCAGGCAGCAGAGCGTTCCTGCTGCCCTCCAGC
TACGACTCTCCCATGCCACCTCGATGGAAGACAGGGCGCCCTGCCCCCGTTCCCGGGAGAAGTTTG
CCTGCTTGTGCGCAGGTAATACTCCACAGACTATGGCCTCCCGTCCGCAAAAGTCGACGCTTTGCACTG
CCCACCGCTGCCGTTGTCACTGTCAACCCGCTCTCCAGAGGGCGTCTTCTCAAGTTTACAAGCAAAACCT
TCCCCTTCCCCAGAGCCGAGCTGCTGGTTCCTTCCCTCGAAGGGGCCCTTCCCCCGACCTGGACACCT
CCGAGGACCAGCAGGCGACGCGCCCATCATCCCCCGGAGCCAGCTACCTGGAGCCGCTGGACGAGGG
TCCCTTACGCGCCGTCATACCGAGGAGCCGTTGAGTGGGCCACCCCTCCGAGCAGGCGCTTGCCTCT
AGCCTGATCGGGGCACCTCTGAAAACCTGTGAGCTGGCCTGTGGGCTCGGACCTCCTGCTGAAGTCTC
CACAGAGATTCCCGAGTCCCCAAAGCCTTCTGCCCGCGGACCCCTCCACTCTGCCGCCAGGGCC
CTTCAGCGCTCGGAGGCGCGTACCCCGCCCTCCCGCTCTCCTGCCCGTACGCTCTGCCCGTCTGCT
GAGCCGGGCTGGAGGACGTCAGGACGGAGTGGACGCCGTCGCCCGCCATCTCCACCTCAGAGGCGG
CTCCCTACGCCCCCTCCCGGGCTGGAGTCTTCTTACGCAACTGCAAGTCACTTCCGGAAGCCCGCT
GGACGTGGCCCCGAGCCCGCTGTGTAGCCGCTGTGGCTCAGGTGGAGGCTCTGGGGCCCTGGAAAAT
AGCTTCTTGACGGCAGCCGCGGCTGTCTCACCTCGGCCAGGTGGAGCCGCTGCCCTGGGCGGACGCT
TCGCCGGCCCCGAGGACGACCTGGACCTGGGGCCCTTCTCCCTGCCGGAGCTTCCCTGCAGACTAAGA
TGCCGCAGATGGTGAAGCGGAACCCGTGGAAGAAAGTCTTGTCTCCAGAAGAGATGCCTCCAGGGCC
CCCGGGTCTATAAACGGTGGGGATGTTCCACCGTAGTGGCTGAGGAGCCCGGCACTGCCTCTGACC
AGGCTCCACCCGGCTCCCTGCAGAGCTCGAGCCTGAGCCCTCAGGGAGCCAAAGCTGGACGTGGCTCT
AGAAGCTGCGGTGGAGGCGGAGCGGTGCCGGAAGAGAGGGCCCGTGGGGATCCGGACTCCAGCGTGGAG
CCCGCGCCGTTCCCCCAGAACAGCGCCCACTGGGGAGCGGAGACCAGGGGCTGAGGCTGAAGGCCCCC
CCGCCGCTCCCTCTGTGCCCTGACGGCCCGCCCGAACACTGTGGCAAGCTCAGGCCGACAGCGG
TGCCGGCCCCGAGGACGACACTGAGGCCTCCCGTCCCGCCCGCCAGCCGAAGGCCCTCCTGGCGCATC
CAGCCGGAAGCCGAGAACCAAAACCCAGGCCGAAGCCCGAAGGCCCCCGAGTGGAGGAGATCCCTC
AGCGCATGACCAGGAACCGGCGCAGATGCTCGCAACAGAGCAAGCAGGGCCCGCCCTCCGAGAA
GGAGTGCGCCCCACCCCTGCCCGGTACCAGGGCAAGGCCCGCGGCTCCGAGGACGACGACGCCAG
GCCAGCATCCGCGCAAACGCCGCTTTCAGCGCTCCACCCAGCAGCTGCAGCAGCAGCTGAACACGTCCA
CGCAGCAGACCGGGAGGTGATCCAGCAGACGCTGGCCGCCATCGTGGACGCCATCAAGTGGATGCCAT
CGAGCCCTACCACAGCGACAGGGCAACCCCTACTTCAATACCTGCAGATCAGGAAGAAGATCGAGGAG
AAGCGCAAGATCCTGTGCTGTATCACGCCGAGGCGCCCAAGTGTACGCCGAGTACGTACCTACACGG
GCTCTACCTCCTGGACGGCAAGCCGCTCAGCAAGCTCCACATCCCCGTGATCGACCCCTCCCTCCCT
GGCGGAGCCCCTGAAGGAGCTGTTACGGCAGCAGGAGGCCGTCGGGGAAAGCTGCGTCTACAGCACAGC
ATCGAGCGGGAGAAGCTGATCGTATCCTGTGAGCAGGAGATTCTGCGGGTCACTGCCGGCGGCCAGGA
CCATCGCAACAGGCAAGTGCATTACGCGCTGCAGATGCTGCTGGACTCCGAGGTCTACAACATGCC
CTCCAGGACGTGGATGACAAGTATGACCGCATGAAGACTTGCCTCCTCATGCGGCAGCAGCAGGCGCG
CGGCCCTGAACGCGGTGCAGAGGATGGAGTGGCAGCTGAAGGTGCAGGAAGTGGACCCCGCGGGCACA
GTCCCTGTGCGTGAACGAGGTGCCCTCCTTCTACGTGCCATGGTCGACGTCAACGACGACTTTGTATTG
TTGCCGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAA

Protein Sequence: >RG235393 representing NM_001256183
 Red=Cloning site Green=Tags(s)

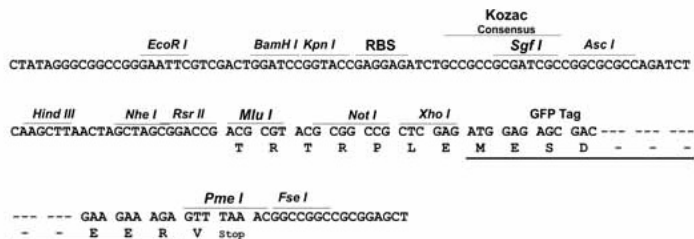
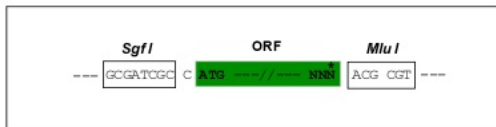
MPKGGCPKAPQQEELPLSSDMVEKQTGKKDKDKVSLTKTPKLERGDGGKEVRERASKRKL PFTAGANGEQ
 KDSDEKQGPERRIKKEPVTRKAGLLFGMGLSGIRAGYPLSERQQVALLMQMTAEESANSVPDTPKHP
 SQSTVCQKGTNPNSASKTKDKVNRNERGETRLHRAAIRGDARRIKELISEGADVNVKDFAGWTALHEACN
 RGYVDVAKQLLAAGAEVNTKGLDDDTPLHDAANNHGYKVVKLLLRYGGNPQQSNRKGETPLKVVANSPTMV
 NLLLKGKTYTSSEESSTESSEEDAPSFAPSSVDGNNTDSEFEKGLKHKAKNPEPQKATAPVKDEYEFD
 EDDEQDRVPPVDDKHLKDYRKETKSNFSISIPKMEVKS YTKNNTIAPKKASHRILSDTSDEEDASVTV
 GTGEKLRLSAHTILPGSKTREPSSNAKQQKEKNKVKKKRKKETKGREVRFGRSDKFCSSSESESESSEGE
 DDRDSLSSGCLKGSPLVLKDPSSLFSSASSTSSHGSSAAQKQNPSTHTDQHTKHWRDNDWTKISSPAWS
 EVSSLSDSTRTRLTSESDYSSEGSVESLKPVRKRQEHKRASLSEKSPFLSSAEGAVPKLDKEGKVVV
 KHKTKHKHKNKEKGQCSISQELKLSFTYEDSKQKSDKAILLNDLSTENKLVKHDRDHFKEEKL
 SKMKLEEKWLKDEKSLKRIKDTNKDISRSFREEKDRSNKAEKERSLKEKSPKEEKLRLYKEERKKKSK
 DRPSKLEKKNLKDKEKISKEKEKIFKEDKEKLEKKEKVVREDSAFDEYCNKQFLNEDTKFSLSDQQRDR
 WFDLSDSSDFKGEDSWDTPVTDYRDMKSDSVAKLILETVKEDSKERRRDRSAREKRDYREPFRKKDR
 DYLDKNSEKRKEQTEKHKVPGYLSEKDKRRRESAEAGRDRKDALESCKERRDRGAKPEEAHREELKECG
 CESGFKDKSDGDFGKGLPEWRRHPAREKEKKGDPDKERKEKTKPERYKEKSSDKDKSEKSIKCKQKDK
 EFDKCFKEKDKTEKHKDTHGDKERKASLDQGEKKEKKAFFGIISEDFSEKDDKKGKEKSWYIADIFT
 DESEDDRDSCMGSGFKMGEASDLPRTDGLQEKEEGREAYASDRHRKSSDKQHPERQDKPEPRDRRDRGA
 ADAGRDKKEKVFKEHKEKDKESTEKYKDRKDRASVSDTQDKKQKQKPEKAEKHAEDKAKSKHKEKS
 DKEHSKERKSSRSADAESLLEKLEEEALHEYREDSNDKISEVSSDSTDRGQEPGLTAFLEVSFTEPPG
 DDKPRESACLPEKLKEKERHRHSSSSSKSHDRERAKKEKAEKKEKGEDYKEGGSRKDSGQYKDFLEAD
 AYGVSYNMKADIEDELDKTIELFSTEKKDKNDSEREPSKKIEKELKPYGSSAINILKEKKKREKHKRWR
 DEKERHRDRHADGLLRHHRDELLRHHRDEQKPTRDKDSPPRVLKD KSRDEGPRLGDAKLEKFKDGAEK
 EKGDPVKMSNGNDKVAPSKDPGKKDARPREKLLGDGLMMTSFERMLSQKDLIEERHHRKHKERMKQMEK
 LRHRSGDPKLEKAKPADDGRKKGLDIPAKKPPGLDPPFKDKKLESTP IPPAAENKLPASGADSKDWL
 AGPHMKEVLPASPRPDQSRPTGVPTPTSVLSCPSYEEVMHTPRTSPSCSADDYADLVFDCADSQHSTPVPT
 APTSACSPSFFDRF SVASSGLSENASQAPARPLSTNL YRSVSVDIRRTPPEEF SVGDKLFRQQSVPAASS
 YDSPMPPSMEDRAPLPPVPAEKFACLSPGYSPDYGLPSPKVDALHCPPAAVVTVTPSPEGV FSSLQAKP
 SPSPRAELLVPSLEGALPPDLTSEDQQAATAAIPPEPSYLEPLDEGPFSAVITEEPVEWAHPSEQALAS
 SLIGGTSENVPVPGSDLLKSPQRFPESPKRFCPADPLHSAAPGPFSAEAPYPAPPASPAPYALPVA
 EPGLEDVKDGVDAVPAAI STSEAAPYPSPGLE SFFSNCKSLPEAPLDVAPEPACVAAVAQVEALGPLEN
 SFLDGSRGLSHLQVPEVPWADAFAGPEDDLDLGPFSLPELPLQTKDAADGEAEPVEESLAPPEEMPPGA
 PGVINGGDVSTVVAEPPALPPDQASTRLPAELEPEPSGEPKLDVALEAAVEAETVPEERARGDPDSSVE
 PAPVPPEQRPLGSGDQGAEEGPPAASLCPADGPANTVAQAQAADGAGPEDDTEASRAAAPAEPPGGI
 QPEAAEPKPTAEAPKAPRVEEIPQRMTRNRAQMLANQSKQGGPPSEKCAPTPAPVTRAKARGSEDDAQ
 AQHPRKRRFRSTQQLQQQLNTSTQQTREVIQQTLAAIVDAIKLDAIEPYHSDRANPYFELYQIRKKIEE
 KRKILCCITPQAPQCYAEYVYTYG SYLLDGKPLSKLHIPVIAPPPSLAEPLKELFRQQEAVRGKLRQLQHS
 IEREKLI VSCEQEILRVHCRAARTIANQAVPFSACTMLLDSEVYNMPLESQGDENKSVRDRFNARQFISW
 LQDVDDKYDRMKTCLLMRQHEAAALNAVQRMWQLKVQELDPAGHKS LCVNEVPSFYVPMVDVNDDFVL
 LPA

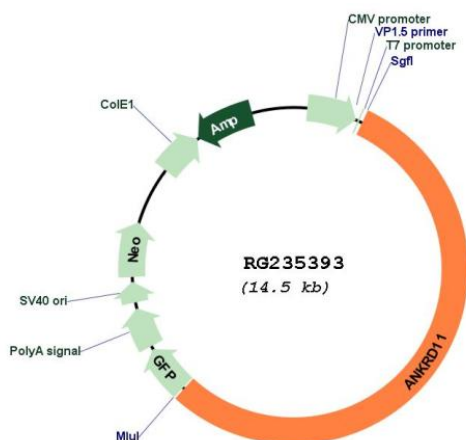
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001256183

ORF Size: 7989 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_001256183.2](#)

RefSeq Size: 9307 bp

RefSeq ORF: 7992 bp

Locus ID: 29123

UniProt ID: [Q6UB99](#)

Cytogenetics: 16q24.3

Gene Summary:

This locus encodes an ankryin repeat domain-containing protein. The encoded protein inhibits ligand-dependent activation of transcription. Mutations in this gene have been associated with KBG syndrome, which is characterized by macrodontia, distinctive craniofacial features, short stature, skeletal anomalies, global developmental delay, seizures and intellectual disability. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 2 and X. [provided by RefSeq, Jan 2012]