

Product datasheet for **RG213292**

ANKRD13D (NM_207354) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANKRD13D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG213292 representing NM_207354
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCAGCTGGTGTCCAGTATCGGGACTACCAGAGGGCCACGCAGAGGCTGGCGGGCATTCCGGAAC
 TGCTCAACAACTTCGCCAGGCCCGGATTCTACGTTGAGATGAAGTGGGAGTTACACAGCTGGGTGCC
 CCTTGTGTCTAAGATGTGCCAAGCGATGTGTACCGCGTGTGGAAGCGGGTGAGAGCTGCGAGTAGAC
 ACCAGTCTCCTGGGCTTCGAGCACATGACCTGGCAGCGGGGCCGGAGGAGCTTCATCTTCAAGGGCCAGG
 AGGCAGGAGCCCTGGTGTGGAAGTGGACCATGACCGGCAGGTGGTGCATGTGGAGACACTGGGGCTCAC
 TCTGCAGGAGCCCCGAAACACTGCTGGCCGCCATGCGGCCACGCAGGAGCATGTGGCCAGTCGCCTCACC
 TCTCCTATCGTCTCCACCCACCTGGACACTCGTAATGTGGCCTTTGAGAGGAACAAATGTGGTATCTGGG
 GCTGGCGGTCTGAGAAGATGGAAGTGTAGCGGCTACGAGGCCAAGGTGTACAGTGCCACCAACGTGGA
 GCTGGTGACACGCACACGCAGGAGCACCTCTCTGATCAGGACAAGTCGAGGAGCAAGCGGGGAAGACT
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 CCAGCCCCACCAACCCACAGCCATCTCCCTGAGGAGTACTTCGACCCCAACTTCAGCCTGGAGTCACG
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 TTTCCACGTGCTCAATGCCCGCATCACCTTCAGCAACCTGTGTGGCTGTGATGAGCCCTGAGTCCGTG
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 TGTTTGAAGTGCCCAACGGGTACAGCGTGTGGCATGGAGCGCAACGAGCCCTCCGGGACGAGGACGA
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 TGGGAAGCCCTGACCAACACCCGGCCCGGTGCCCGCCCTCCTCCCAGGCCACGGTTTATGAGGAACAGC
 TTCAGTGGAGCGGGCCCTCCAGGAAAGCCTGCAGCTGTCCACAGAGCCAGGGGCCAGGATCCCCTCC
 CAGGACACCCCGAGCCCCGGTCCACCCAGCTTTGAAGAGCAGCTGCGCCTGGCCCTGGAGTTGTCTTCA
 CGGGAGCAGGAGGAGCGGGAGCGCGGCAGCAGGAGGAGGAGACTTACAGCGGATCTGCAGCTGT
 CACTACTGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

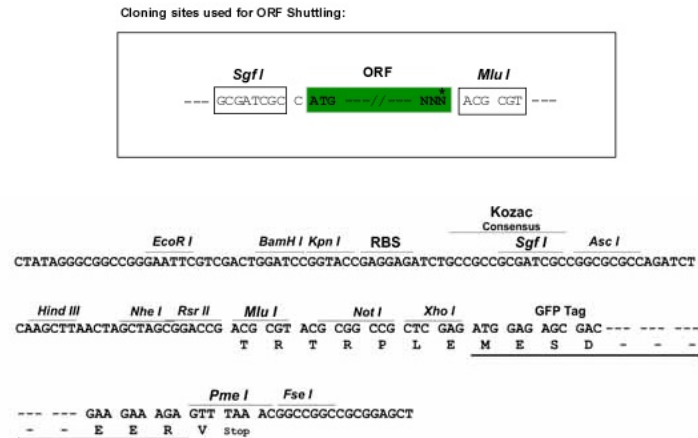
Protein Sequence: >RG213292 representing NM_207354
 Red=Cloning site Green=Tags(s)

MVQLVLQYRDYQRATQRLAGIPELLNKLQAPDFYVEMKWEFTSWVPLVSKMCPDYYRVVWKRGESLRVD
 TSLLGFEHMTWQRRSFIFKGQEAALVMEVDHQRQVHVETLGLTLQEPETLLAAMRPSEEHVASRLT
 SPIVSTHLDTNRNVAERNKCGIWWRSEKMETVSGYEAKVYSATNVELVTRTRTEHLSDQDKSRKAGKT
 PFQSLGLMAQQHSSHTGAPVQQAASPTNPTAISPEEYFDPNFSLESRNIGRPIEMSSKVQRFKATLWSE
 EHPLSLGDQVTPIIDLMAISNAHFAKLKDFITLRLPPGFPVKIEIPLFHLNARITFNLGCGDEPLSSV
 WVPAPSSAVAASGNPFPCEVDPTVFEVPNGYSVLGMRNEPLRDEDDLLQFAIQQSLLAEAGTEAEQVT
 WEALTNTRPGARPPPQATVYEEQLQLERALQESLQLSTEPRGPSPPRTPPAPGPPSFEEQLRLALELSS
 REQEERERRGQEEEDLQRILQLSLTEH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207354

ORF Size: 1554 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_207354.3](#)

RefSeq Size: 2219 bp

RefSeq ORF: 1818 bp

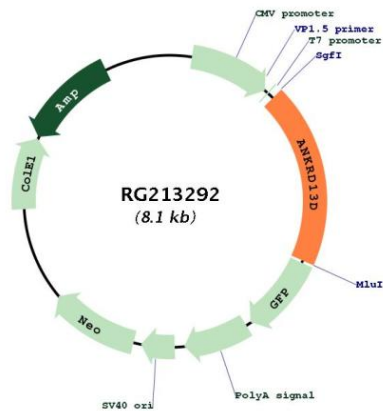
Locus ID: 338692

UniProt ID: [Q6ZTN6](#)

Cytogenetics: 11q13.2

Gene Summary: The protein encoded by this gene is a member of the ankyrin repeat domain (ANKRD) 13 family, which currently consists of four proteins containing ubiquitin-interacting motifs. These proteins are integral membrane proteins that bind specifically to Lys-63-linked ubiquitin chains on membrane-bound proteins, targeting those proteins for rapid internalization. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG213292