

Product datasheet for **RG238591**

ANKRD42 (NM_001300972) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD42 (NM_001300972) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKRD42
Synonyms:	PPP1R79; SARP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238591 representing NM_001300972.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCCGGGGTGGCCAATTCAGGCCCTCCACTTCCTCTAGGGAGACTGCAAACCCCTGTTCCAGGAAG
AAGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAGCAGCTTTCAGAAATAGTG
GTACGTGGAGCCAGCATTAAATGAACCTTGATGTTCTCCATAAGTTTACCCCTTTACATTGGGCAGCACAT
TCTGGAAGTTTGGAGTGTCTTCATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGA
GGTTGGACAGCATCTCACATAGCTGCAATCAGGGGTGAGGATGCTTGTGTACAGGCTCTTATAATGAAT
GGAGCAAATCTGACAGCCAGGATGACCGGGATGCACTCCTTTACATCTTGCTGCAACTCATGGACAT
TCTTTCACTTTACAAATAATGCTCCGAAGTGGAGTGGATCCCAGTGTGACTGATAAGAGAGAATGGAGA
CCTGTGCATTATGCAGCTTTTCATGGCGGCTTGGCTGCTTCACTTCTTGTAAATGGGGTTGTAGC
ATAGAAGATGTGGACTACAATGAAACCTTCCAGTTCACTTAGCAGCCATGGAAGGCCACCTTCACTGT
TTCAAATTCCTAGTCAGTAGAATGAGCAGTGCAGCAAGTTTTAAAAGCTTTCAATGATAATGGAGAA
AATGTACTGGATTTGGCCAGAGGTTCTTCAAGCAGAACATTTTACAGTTTATCCAGGGGCTGAGTAT
GAAGGAAAAGACCTAGAGGATCAGGAACTTTAGCATTTCAGGTCATGTGGCTGCCTTTAAGGGTGAT
TTGGGGATGCTTAAGAAATAGTGAAGATGGAGTAATCAATATTAATGAGCGTGTGATAATGGATCA
ACTCCTATGCATAAAGCTGCTGGACAAGGCCACATAGAGTGTTCGAGTGGTTAATTAATGGGAGCA
GACAGTAATATTACCAACAAAGCAGGGGAGAGCCAGTATGTGGCAAAGAGGTTTGGCCATTTGGCA
GCAGTGAAGCTGTAGAGGAGCTACAGAAATATGATATAGATGACGAAAAATGAAATTGATGAAAAATGAT
GTGAAATATTTTATAAGACATGGTGTGAGGGAAGCACTGATGCCAAGGATGATTTATGTCTGATGAC
TTGGATAAAACAGATGCCAGAATGAGAGCTTACAAGAAAATTTAGAATTGAGACACCTCTGAAAT
GCCGAGAGCAACTATAAACACTTGGGAGGCATAACAGAAGAAGATTTAAAGCAGAAGAAAGAACAGCTT
GAGTCTGAAAAGACCATCAAAGAACTGCAGGGCCAGCTGGAGTATGAACGACTACGTAGAGAAAAATTA
GAATGTCAGCTTGATGAATATCGAGCAGAAGTTGATCAACTCAGGGAAACACTGGAAAAAATTCAGTC
CCAAACTTTGTGGCTATGACAGCGCTTCTTGTGAGTCAAACAAAGAGAAGAGGCGAG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238591
 Blue=ORF Red=Cloning site Green=Tag(s)

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MPGVANS GPSTSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVVRGASINELDVLHKFTPLHWAH
SGSLECLHWLLWHGADITHVTTRGWTASHIAAIRGQDACVQALIMNGANLTAQDDRGCTPLHLAATHGH
SFTLQIMLRSGVDPSVTDKREWRPVHYAAFHGRGLGCLQLLVKWCSEIEDVDYNGNLPVHLAAMEGHLHC
FKFLVSRMSSATQVLKAFNDNGENVLDLAQRFFKQNILQFIQGAIEYEGKDLEDQETLAFPGHVAAFKGD
LGMLKKLVEDGVINERADNGSTPMHKAAGQGHIECLQWLKMGADSNI TNKAGERPSDVAKRFAHLA
AVKLEELQKYDIDDENEIDENDVKYFIRHGVEGSTDAKDDLCLSDLKTDARMRAYKKIVELRHLLLEI
AESNYKHLGGITEEDLKQKKEQLESEKTIKELQGQLEYERLRREKLEQCQLEDEYRAEVDQLRETLEKIQV
PNFVAMTALLVSQTKRRGE
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001300972

ORF Size: 1506 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).

RefSeq: [NM_001300972.2](#)

RefSeq Size: 2662 bp

RefSeq ORF: 1509 bp

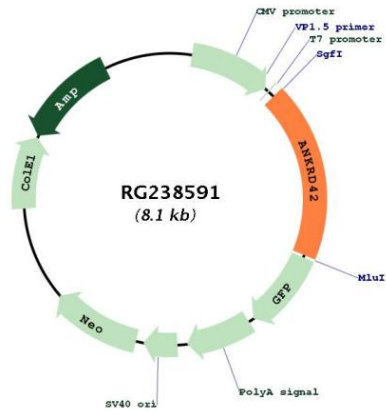
Locus ID: 338699

UniProt ID: [Q8N9B4](#)

Cytogenetics: 11q14.1

MW: 56.7 kDa

Product images:



Circular map for RG238591