

Product datasheet for **RG238729**

ANKRD42 (NM_001300975) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD42 (NM_001300975) 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:

>RG238729 representing NM_001300975.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCCGGGGTGGCCAATTCAGGCCCTCCACTTCCTCTAGGGAGACTGCAAACCCCTGTTCCAGGAAG
AAGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAGCAGCTTTCAGAAATAGTG
GTACGTGGAGCCAGCATTAAATGAACCTTGATGTTCTCCATAAGTTTACCCCTTTACATTGGGCAGCACAT
TCTGGAAGTTTGGAGTGTCTTCATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGA
GGTTGGACAGCATCTCACATAGCTGCAATCAGGGGTGAGGATGCTTGTGTACAGGCTCTTATAATGAAT
GGAGCAAATCTGACAGCCAGGATGACCGGGATGCACTCCTTTACATCTTGCTGCAACTCATGGACAT
TCTTTCACTTTACAAATAATGCTCCGAAGTGGAGTGGATCCCAGTGTGACTGATAAGAGAGAATGGAGA
CCTGTGCATTATGCAGCTTTTCATGGCGGCTTGCTGCTGCAACTTCTTGTTAAATGGGGTTGTAGC
ATAGAAGATGTGGACTACAATGGAAACCTTCCAGTTCACTTAGCAGCCATGGAAGGCCACCTTCACTGT
TTCAAATTCCTAGTCAGTAGAATGAGCAGTGCAGCAAGTTTTAAAAGCTTTCAATGATAATGGAGAA
AATGTACTGGATTTGGCCAGAGGTTCTCAAGCAGAACATTTTACAGTTTATCCAGGGGCTGAGTAT
GAAGGAAAAGACCTAGAGGATCAGGAACTTTAGCATTTCAGGTCATGTGGCTGCCTTTAAGGGTGAT
TTGGGGATGCTTAAGAAATAGTGAAGATGGAGTAATCAATATTAATGAGCGTGTGATAATGGATCA
ACTCCTATGCATAAAGCTGCTGGACAAGGCCACATAGAGTGTTCGAGTGGTTAATTAAGGGAGCA
GACAGTAATATTACCAACAAAGCAGGGGAGAGACCCAGTATGTGGCAAAGAGGTTTGGCCATTTGGCA
GCAGTGAAGCTGTAGAGGAGCTACAGAAATATGATATAGATGACGAAAAATGAAATTGATGAAAAATGAT
GTGAAATATTTTATAAGACATGGTGTGAGGGAAGCACTGATGCCAAGGATGATTATGTCTGAGTGAC
TTGGATAAAACAGATGCCAGAATGAGAGCTTACAAGAAAATGTAGAATTGAGACACCTCTGGAAAT
GCCGAGAGCAACTATAAACACTTGGGAGGCATAACAGAAGAAGATTTAAAGCAGAAGAAAGAACAGCTT
GAGTCTGAAAAGACCATCAAAGAACTGCAGGGCCAGCTGGAGTATGAACGACTACGTAGAGAAAAATTA
GAATGTCAGCTTGATGAATATCGAGCAGAAGTTGATCAACTCAGGGAAACACTGGAAAAAATTCAGTC
CCAAACTTTGTGGCTATGGTTGGTGTCTTTTTAATACATTTATTTTTCTCAAGAAGTATATACAAGAG
TGGCCAAGAGTACAAGCTTTGGGCTGGGCTCTTTGGACTTGAATCCTGGCTATAGTCTTTTT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238729
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPGVANS GPSTSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVVRGASINELDVLHKFTPLHWAH
SGSLECLHWLLWHGADITHVTRGTWASHIAAIRGQDACVQALIMNGANLTAQDDRGCTPLHLAATHGH
SFTLQIMLRSGVDP SVTDKREWRPVHYAAFHGRGLGCLQLLVKWCSEIEDVDYNGNLPVHLAAMEGHLHC
FKFLVSRMSSATQVLKAFNDNGENVLDLAQRFFKQNILQFIQGAIEYEGKDLEDQETLAFPGHVAAFKGD
LGM LKKLVEDGVININERADNGSTPMHKAAGQGHIECLQWL IKMGADSNITNKAGERPSDVAKRF AHLA
AVK LLEELQKYDIDENEIDENDVKYFIRHGVGSDAKDDLCLSDLDKTDARMRAYKKIVELRHLEI
AESNYKHLGGITEEDLKQKQLESEKTIKELQGQLEYERLRREKLECLDEYRAEVDQLRETLEKIQV
PNFVAMVGVLFNTFIFLKKYIQEWPRVQALGWGSLDLNPGYSLF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001300975

ORF Size: 1581 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_001300975.2](#)

RefSeq Size: 3283 bp

RefSeq ORF: 1584 bp

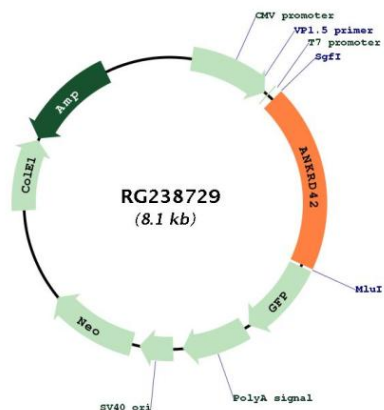
Locus ID: 338699

UniProt ID: [Q8N9B4](#)

Cytogenetics: 11q14.1

MW: 59.6 kDa

Product images:



Circular map for RG238729