

Product datasheet for **RG238685**

ANKRD42 (NM_001300973) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD42 (NM_001300973) 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:

>RG238685 representing NM_001300973.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCCGGGGTGGCCAATTCAGGCCCTCCACTTCCTCTAGGGAGACTGCAAACCCCTGTTCCAGGAAG
AAGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAGCAGCTTTCAGAAATAGTG
GTACGTGGAGCCAGCATTAAATGAACTTGATGTTCTCCATAAGTTTACCCCTTTACATTGGCAGCACAT
TCTGGAAGTTTGGAGTGTCTTATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGA
GGTTGGACAGCATCTCACATAGCTGCAATCAGGGGTGAGGATGCTTGTGTACAGGCTCTTATAATGAAT
GGAGCAAATCTGACAGCCAGGATGACCGGGATGCACTCCTTTACATCTTGCTGCAACTCATGGACAT
TCTTTCACTTTACAAATAATGCTCCGAAGTGGAGATCCCAGTGTGACTGATAAGAGAGAATGGAGACCT
GTGCATTATGCAGCTTTTCATGGCGGCTTGGCTGCTTCAACTTCTTGTAAATGGGGTGTAGCATA
GAAGATGTGGACTACAATGGAAACCTTCCAGTTCACCTAGCAGCCATGGAAGGCCACCTTCACTGTTTC
AAATTCCTAGTCAGTAGAATGAGCAGTGGCAGCAAGTTTTAAAAGCTTTCAATGATAATGGAGAAAAT
GTAAGTGGATTTGGCCAGAGGTTCTTCAAGCAGAACATTTTACAGTTTATCCAGGGGGCTGAGTATGAA
GGAAAAGACCTAGAGGATCAGGAACTTTAGCATTCCAGGTCATGTGGCTGCCTTTAAGGGTGATTTG
GGGATGCTTAAGAAATTAGTGAAGATGGAGTAATCAATATTAATGAGCGTGCTGATAATGGATCAACT
CCTATGCATAAAGCTGCTGGACAAGGCCACATAGAGTGTTCAGTGGTTAATTAATGGGAGCAGAC
AGTAATATTACCAACAAAGCAGGGGAGAGACCCAGTGTGTGGCAAAGAGGTTTGGCCATTTGGCAGCA
GTGAAGCTGTTAGAGGAGCTACAGAAATATGATATAGTAGACGAAAATGAAATTGATGAAAATGATGTG
AAATATTTTATAAGACATGGTGTGGAGGAAGCACTGATGCCAAGGATGATTTATGTCTGAGTGACTTG
GATAAAACAGATGCCAGAATGAGAGCTTACAAGAAAATGTAGAATTGAGACACCTCCTGGAAATGCC
GAGAGCAACTATAAACACTTGGGAGGCATAACAGAAGAAGATTTAAAGCAGAAGAAAGAACAGCTTGAG
TCTGAAAAGACCATCAAAGAACTGCAGGGCCAGCTGGAGTATGAACGACTACGTAGAGAAAAATTAGAA
TGTGAGCTTATGAATATCGAGCAGAAGTTGATCAACTCAGGGAAACACTGGAAAAAATCAAGTCCCA
AACTTTGTGGCTATGGAAGACAGCGCTTCTTGTGAGTCAAACAAAGAGAAGGGCAGTAAAAAAGAG
GTTTCTTCTGGAGGGGTGTTTGTGAGAAGGTAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238685
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPGVANS GPSTSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVVRGASINELDVLHKFTPLHWAH
SGSLECLHWLLWHGADI THVTTRGWTASHIAAIRGQDACVQALIMNGANLTAQDDRGCTPLHLAATHGH
SFTLQIMLRSGDPSVTDKREWRPVHYAAFHGRLGCLQLLVKWGCSIEDVDYNGNLPVHLAAMEGHLHCF
KFLVSRMSSATQVLKAFNDNGENVLDLAQRFFKQNILQFIQGAIEYEGKDLEDQETLAFPGHVAAFKGDL
GMLKLVEDGVININERADNGSTPMHKAAGQGHIECLQWLIKMGADSNI TNKAGERPSDVAKRFAHLAA
YKLEELQKYDIDDENEIDENDVKYFIRHGVGEGSTDAKDDLCLSDLKTDARMRAYKKIVELRHLLLEIA
ESNYKHLGGITEEDLKQKKEQLESEKTIKELQGQLEYERLRREKLECQLDEYRAEVDQLRETLEKIQVP
NFVAMEDSASCESNKEKRRVKKKVVSSGGVFVRRY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001300973

ORF Size: 1551 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_001300973.2](#)

RefSeq Size: 2663 bp

RefSeq ORF: 1554 bp

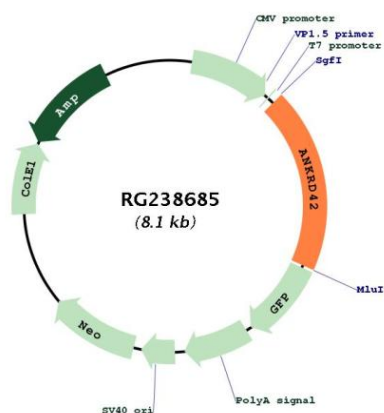
Locus ID: 338699

UniProt ID: [Q8N9B4](#)

Cytogenetics: 11q14.1

MW: 58.5 kDa

Product images:



Circular map for RG238685