

Product datasheet for **RC238685**

ANKRD42 (NM_001300973) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD42 (NM_001300973) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD42
Synonyms:	PPP1R79; SARP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238685 representing NM_001300973
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGGTGGCCAATTCAGGCCCTCCACTTCTCTAGGAGACTGCAAACCCCTGTTCCAGGAAGA
 AGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAAGCAGCTTTCAGAAATAGTGGT
 ACGTGGAGCCAGCATTAAATGAACCTTGATGTTCTCCATAAGTTTACCCCTTTACATTGGGCAGCACATTCT
 GGAAGTTTGGAGTGTCTTCATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGAGGTT
 GGACAGCATCTCACATAGCTGCAATCAGGGGTGAGGATGCTTGTGTACAGGCTCTATAATGAATGGAGC
 AAATCTGACAGCCAGGATGACCGGGATGCACCTCTTACATCTTGCTGCAACTCATGGACATTCTTTC
 ACTTTACAATAATGCTCCGAAGTGGAGATCCCAGTGTGACTGATAAGAGAGAATGGAGACCTGTGCATT
 ATGCAGCTTTTCATGGGCGCTTGGCTGCTTGCACCTCTTGTAAATGGGGTTGTAGCATAGAAGATGT
 GGACTACAATGGAAACCTTCCAGTTCACCTAGCAGCCATGGAAGGCCACCTTCACTGTTTCAAATCCTA
 GTCAGTAGAATGAGCAGTGCAGCAAGTTTTAAAGCTTCAATGATAATGGAGAAAATGACTGGATT
 TGGCCAGAGGTTCTTCAAGCAGAACATTTTACAGTTTATCCAGGGGGCTGAGTATGAAGAAAAGACCT
 AGAGGATCAGGAACTTTAGCATTTCCAGGTCATGTGGCTGCCTTTAAGGGTGATTTGGGGATGCTTAAG
 AAATTAGTGGAAAGATGGAGTAATCAATATTAATGAGCGTGCTGATAATGGATCAACTCCTATGCATAAAG
 CTGCTGGACAAGGCCACATAGAGTGTGGCAGTGGTTAATTAATAATGGGAGCAGACAGTAATATTACCAA
 CAAAGCAGGGGAGAGACCCAGTGTGGCAAGAGGTTTGGCCATTTGGCAGCAGTGAAGCTGTAGAG
 GAGCTACAGAAATATGATATAGATGACGAAAATGAAATGATGAAAATGATGAAATATTTTATAAGAC
 ATGGTGTGGAGGAGCAGTGTGCAAGGATGATTTATGTCTGAGTGACTTGGATAAAACAGATGCCAG
 AATGAGAGCTTACAAGAAAATTGTAAGAATTGAGACACCTCCTGGAAATTGCCGAGAGCAACTATAAACAC
 TTGGGAGGCATAACAGAAGAAGATTTAAAGCAGAAGAAAGAACAGCTTGAGTCTGAAAAGACCATCAAAG
 AACTGCAGGGCCAGCTGGAGTATGAACGACTACGTAGAGAAAAATTAGAATGTCAGCTTGTGAATATCG
 AGCAGAAGTTGATCAACTCAGGAAACACTGGAATAAATCAAGTCCCAAACCTTTGTGGCTATGGAAGAC
 AGCGCTTCTTGTGAGTCAAAACAAGAGAAGAGGCGAGTAAAAAAAAGGTTTCTTCTGGAGGGGTGTTTG
 TGAGAAGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238685 representing NM_001300973
 Red=Cloning site Green=Tags(s)

MPGVANS GPSTSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVVRGASINELDVLHKFTPLHWAHSG
 GSLECLHWLLWHGADITHVTTRGWTASHIAAIRGQDACVQALIMNGANLTAQDDRGTPLHLAATHGHSF
 TLQIMLRSGDPSVTDKREWRPVHYAAAFHGRLGCLQLLVKWCESI EDVDYNGNLPVHLAAMEGHLHCFKFL
 VSRMSSATQVLKAFNDNGENVLDAQRFFKQNILQFIQGAIEYEGKDL EDQETLAFPGHVAAFKGDLMK
 KLVEDGVININERADNGSTPMHKAAGQGHIECLQWL IKMGADSNITNKAGERPSDVAKRFAHLAAVKLLE
 ELQKYDIDENEIDENDVKYFIRHGVGSTDAKDDLCLSDLKTDARMRAYKKIVELRHLLIEIAESNYKH
 LGGITEEDLKQKKEQLESEKTIKELQGGLEYERLRREKLECLDEYRAEVDQLRETLEKIQVPNFVAMED
 SASCESNKEKRRVKKVSSGGVFVRRY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

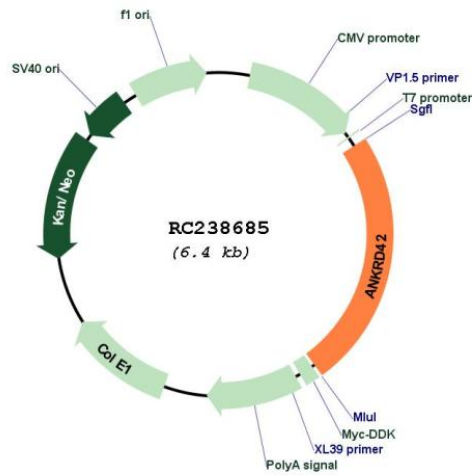
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_001300973.2
RefSeq Size:	2663 bp
RefSeq ORF:	1554 bp
Locus ID:	338699
UniProt ID:	Q8N9B4
Cytogenetics:	11q14.1
MW:	58.5 kDa