

Product datasheet for **RG211887**

ANKRD42 (NM_182603) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD42 (NM_182603) 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)
ORF Nucleotide Sequence:	>RG211887 representing NM_182603 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGGTGGCCAATTCAGGCCCTCCACTTCTCTAGGGAGACTGCAAACCCCTGTTCCAGGAAGA
AGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAGCAGCTTTCAGAAATAGTGTG
TCTTCATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGAGGTTGGACAGCATCTCAC
ATAGCTGCAATCAGGGTCAGGATGCTTGTGTACAGGCTTTATAATGAATGGAGCAAATCTGACAGCCC
AGGATGACCGGGGATGCACTCCTTTACATCTTGTGCAACTCATGGACATTCTTTCACCTTACAAAATAAT
GCTCCGAAGTGGAGTGGATCCCAGTGTGACTGATAAGAGAGAATGGAGACCTGTGCATTATGCAGCTTTT
CATGGCGGCTTGGCTGCTTGAACCTTCTGTTAAATGGGGTGTGGCATAGAAGATGTGGACTACAATG
GAAACCTTCCAGTTCACCTTAGCAGCCATGGAAGGCCACCTTCACTGTTTTCAAATCCTAGTCAGTAGAAT
GAGCAGTGCAGCAAGTTTTAAAGCTTTCAATGATAATGGAGAAAATGTACTGGATTTGGCCAGAGG
TTCTTCAAGCAGAACATTTTACAGTTTATCCAGGGGCTGAGTATGAAGGAAAAGACCTAGAGGATCAGG
AACTTTAGCATTTCCAGGTCAATGTGGCTGCCTTAAAGGTGATTTGGGGATGCTTAAGAAATAGTGGA
AGATGGAGTAATCAATATTAATGAGCGTGTGATAATGGATCAACTCCTATGCATAAAGCTGCTGGACAA
GGCCACATAGAGTGTTCAGTGGTTAATTAAGTGGGAGCAGACAGTAATATTACCAACAAAGCAGGGG
AGAGACCCAGTGTGGCAAAGAGGTTTGCCCATTTGGCAGCAGTGAAGCTGTTAGAGGAGCTACAGAA
ATATGATATAGATGACGAAAATGAAATGATGAAAATGATGTGAAATATTTTATAAGACATGGTGTGAG
GGAAGCACTGATGCCAAGGATGATTTATGTCTGAGTGACTTGGATAAACAGATGCCAGAAGACCATCAA
AGAAGTGCAGGGCCAGCTGGAGTATGAACGACTACGTAGAGAAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211887 representing NM_182603
 Red=Cloning site Green=Tags(s)

MPGVANS GPSTSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVCLHWLLWHGADITHVTTTRGWTASH
 IAAIRGQDACVQALIMNGANLTAQDDRGCTPLHLAATHGHSFTLQIMLRSGVDPSVTDKREWRPVHYAAF
 HGRLGCLQLLVKWGCGIEDVDYNGNLPVHLAAMEGHLHCFKFLVSRMSSATQVLKAFNDNGENVLDAQR
 FFKQNILQFIQGAIEYEGKDLEDQETLAFPGHVAAFKGDLGMLKKLVEDGVINERADNGSTPMHKAAGQ
 GHIECLQWLKMGADSNITNKAGERPSDVAKRFAHLAAVKLLEELQKYDIDDENEIDENDVKYFIRHGVE
 GSTDAKDDLCLSDLDKTDARRPSKNCRASWSMNDYVEKN

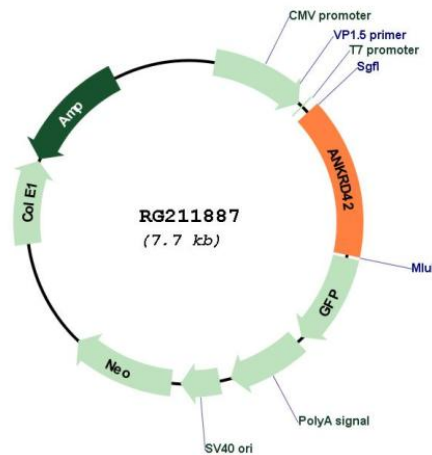
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_182603

ORF Size:	1167 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_182603.1 , NP_872409.1
RefSeq Size:	2293 bp
RefSeq ORF:	1170 bp
Locus ID:	338699
UniProt ID:	Q8N9B4
Cytogenetics:	11q14.1