

Product datasheet for **RC214596**

ANKRD44 (NM_153697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD44 (NM_153697) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD44
Synonyms:	PP6-ARS-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC214596 representing NM_153697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCATCCATAAACTGAAGATGTGAATACTCTGGATTCTGAGAAACGAACCCCTCTTCATGTGGCCG
 CATTTCTGGGAGATGCAGAGATCATTGAACTCCTGATTTTGTGAGGAGCTCGTGTAATGCCAAGGACAA
 CATGTGGCTGACTCCACTGCACCGGGCTGTTGCTTCCAGAAGTGAAGAAGCAGTACAGGTTTGTATTAAG
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 CTGTCAAATGTGAGAAGTGATCATTCCCTGCTGAGCAGTGTCAATGTCTCCGACCGAGGGGGCGCAC
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214596 representing NM_153697
Red=Cloning site Green=Tags(s)

MLIHKTEDVNTLDSEKRTPLHVAAFLGDAEIIELLILSGARVNAKDNMWLTPLHRAVASRSEEAVQVLIK
HSADVNARDKNWQTPHVAAANKAVKCAEVIIPLLSSVNVSDRGGRALHHAALNGHVEMVNLAKGAN
INAFDKDRRALHWAAYMGHLDVVALINHGAETCKDKKGYTPLHAAASNGQINVVKHLNLGVEIDEI
NVYGNALHIACYNQDAVVNELIDYGANVQPNNGFTPLHFAAATHGALCLELLVNGADVNIQSKD
GKSPLHMTAVHGRFTRSQTLIQNGGEIDCVDKDGNTPLHVAARYGHELLINTLRTSGADTAKCGIHSMPF
LHLAALNAHSDCCRKLLSSGFEIDTPDKFGRTCLHAAAAGGNVECIKLLQSSGADFHKDKCGRTPLHYA
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EFLQLQNDANPSIRDKEGYNSIHYAAAYGHRQCLELLERTNSGFEESDSGATKSPLHAAAYNGHHQALEV
LLQSLVDLDIRDEKGRALDLAAFKGHTCEVEALINPGASIFVKDNVTKRTPHLSVINGHTLCLRLLE
IADNPEAVDVKDAKGQTPMLAVAYGHIDAVSLLEKEANVDTVILGCTALHRGIMTGHEECVQMLLEQ
EVSILCKDSRGRTPHYAAARGHATWSELLQMALSEEDCCFKDNQGYTPLHWACYNGNENCIEVLLEQK
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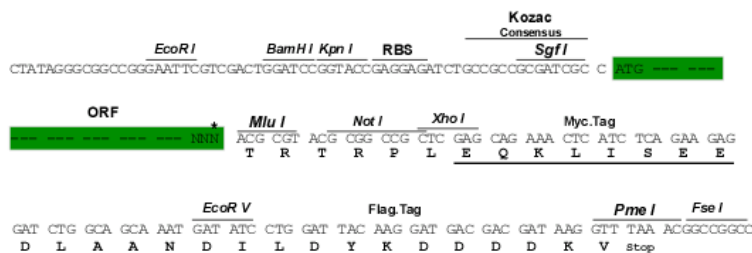
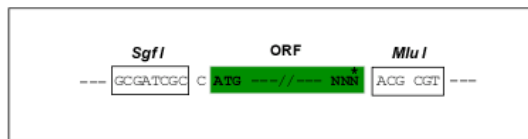
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8030_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



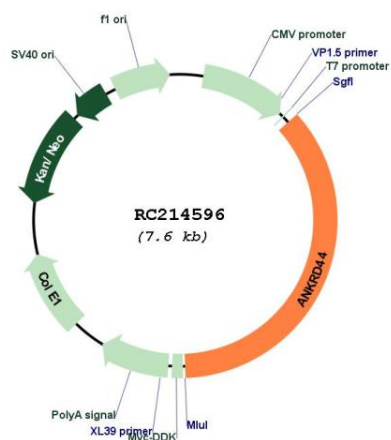
* The last codon before the Stop codon of the ORF

ACCN: NM_153697

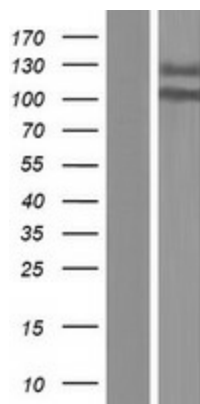
ORF Size: 2757 bp

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153697.1 , NP_710181.1
RefSeq Size:	3686 bp
RefSeq ORF:	1104 bp
Locus ID:	91526
UniProt ID:	Q8N8A2
Cytogenetics:	2q33.1
Domains:	ANK
MW:	99.6 kDa
Gene Summary:	Putative regulatory subunit of protein phosphatase 6 (PP6) that may be involved in the recognition of phosphoprotein substrates.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214596



Western blot validation of overexpression lysate (Cat# [LY406981]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214596 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).