

Product datasheet for **RR209769**

Ankrd42 (NM_001135013) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd42 (NM_001135013) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd42
Synonyms:	RGD1310789
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209769 representing NM_001135013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGACCACACTACGCCTGGTGTGTCTAATCCAGGTCCTCCAAGTCTGTAGGGAGACTGCAGACT
 CAAGTTCAGGAACAAGGTGCCCTTTGGTAGCATACATGACGCAGTACGGGCTGGCGACGCAAGCAGCT
 TTCAGACATCGTGAACGTGGAGCCAACGTTAATGAAGTGGATGCGCTCCATCAGTTTACTCCTTTACAT
 TGGGCTGCACATTCTGGAAGTTTAGAGTGCCTTACTGGCTACTCTGGAATGGTGCGGATGCCACACAGA
 CAACTACAAGGGGATGGACAGCAGCTCACGTAGCTGCCATCCGGGGTCAGGATGCCTGCTGCAGGCTCT
 TATAATCAATGGAGCCAACCTAGCAACTCAAGATGACCGTGGATGCACTCCAGTACACCTTGCTGCCACT
 CACGGACACTCTTTTCTTACAAGTAATGCTGCGAAGTGGAGTGGATCCAGCGTGACTGACAAGAGAG
 AATGGAGACCTGTGCATTATGCAGCTTTTCATGGGCGGCTTGGCTGCTTGAACCTCTTGCAAAATGGGG
 ATGTGGCATAGAAGACGTGGACTACAATGGAACTTCCCGTTCACTTAGCAGCCATGGAAGGCCACCTC
 CATTGTTTTAAGTTCCTACTGAGTAGAGTGAACAGTGCAGTACAAGCCTTGAAAGCCTTCAATGATAATG
 GAGAAAATGTAAGTGGACCTGGCAGTCCGTTCTTAAAACAGAACATTGTACAGTTTATTCAGGGGGCTGA
 GTATGAAGGAAGCCATTTAGATGATCAGGATGATTTAGCCTTCCAGGCCATGTGGCTGCCTTTAAGGGT
 GATTTAGAAATGCTTAAGAACTGATAGACGATGGGGTAATTAATCTGAATGAACGTGATGAAAATGGAT
 CAACTCCCATGCATAAAGCTGCTGGACAGGGCCACATCGATTGTTTGCAGTGGTTAGTTGAAATGGGAGC
 TGACAGCAATATTACCAACAAAGCAGGAGAGAGACCCAGCGATGTGGCTAAGAGATTTGCCATTTGGCA
 GCAGTGAACCTCTTAGAGGGCTACAGAAATATGAGATAGATGACATTGAAGGTGATAAAAATCATATAA
 GTTTTTTATAAGGCATGGTGTGAAGGAAGCACCGATGCCAAGGATGACTTAAGTCTGAGTGAATCAGA
 CAAAGCGAACCCAGAATGAGAGCTCATAAGAAAATTGTAGAATTGAGACAACTTCTGGAATCGCTGAG
 AGCAACTTTAAACACTTGGTGGGATAACAGAAGAGGATCTAAAGCAGAAAGAAAGAACTACTGGAGTCTA
 AGAAGACCATCACAGAGCTGCAGGAGCAGCTGGCCTATGAGCGACTCCGCAGGGAGAAGTTAGAGTGCA
 ACTGGATGAGTACCGAGTGAAGTGAATCAACTCAAGGAAGCGCTGGAGAAAATCCAGGTCCCAGTGCT
 GAGGCTATGGAAGATGACTCCTGTGAATATAGCAAAGAGAAGAGGCGAATGAAAAAAAAAACTCTCCTG
 GGGCATGTTTGTGAGAAGGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209769 representing NM_001135013
 Red=Cloning site Green=Tags(s)

MKDHTTPGVSNPSPSKSECRETADSSSRNKVPFGSIHDAVRAGDVKQLSDIVERGANVNEVDALHQFTPLH
 WAAHSGSLECLHWLLWNGADATQTTTRGWTAHVAAIRGQDAQLALIIINGANLATQDDRGPVHLAAT
 HGHSFSLQVMLRSGVDPVTDKREWRPVHYAAFHGRLGCLQLLVKWGGIEDVDYNGNLPVHLAAMEGHL
 HCFKLLSRVNSAVQALKAFNDNGENVLDLAHRFLKQNI VQFIQGAIEYEGSHLDDQDDLAFPGHVAAFKG
 DLEMLKKLIDDGVINLNERDENGSTPMHKAAGQGHIDCLQWLVEMGADSNITNKAGERPSDVAKRF AHLA
 AVKLEGLQKYEIDDIIEGDKNHSFFIRHGVGSTDAKDDLSESDKANARMRAHKKIVELRQLLEIAE
 SNFKHLGGITEEDLKQKELLESKKTITELQEQLAYERLRREKLEQCQLEDEYRVEVNQLKEALEKIQVPSA
 EAMEDDSCEYSKEKRRMKKKNSPGGMFVRRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

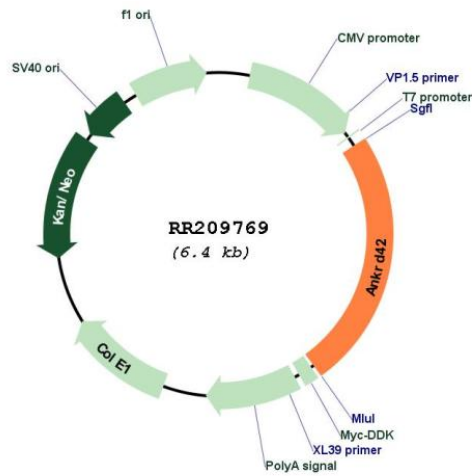
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001135013
ORF Size:	1563 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_001135013.1 , NP_001128485.1
RefSeq Size:	2774 bp
RefSeq ORF:	1566 bp
Locus ID:	293117
Cytogenetics:	1q32
MW:	58.1 kDa