

Product datasheet for **RR202694**

LOC257642 (NM_147136) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: LOC257642 (NM_147136) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: LOC257642
 Synonyms: ribin
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR202694 representing NM_147136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGGGTGGAGCGAGGCCCGCGGGGAGGGGACCCGCGCCGGCACCCGCGGGCTCCCCGGGAGCGG
 CCGCGACGCCCGCCGAGCTGAGGCGATCCACGGGAAGGGCCCGGCTCGCGTCCAGAGTCGCGCGCCCGC
 CCGGCCCGGAGTGTCCGGGCCCGCCCGCCACCGGGGGCCCGCTGGTTCCTCCCGCTCCGGAACCC
 CGCGGGTTGGACCGCCCGCCCGGAGCCCGCGCGCGCCGACCCCGACCCCGCCCGGACGGGAAG
 AAGGAGGGGGAAAGAGAGGTGGCGACGACGCGGGGACGACGGGGCCCGCGGGGAAGAGGGGAGGGCGG
 GCCCGGGCGAAAGGACGGGGGTCTCCCGGAGCTGGGAGAGGGCGGCGCGCCTCGTCCAGCCGCGGC
 GCGCGCCAGCCCGCTTCGCGCCCCAGCCGACCCAGCCCTTAGAGCCAATCCTTATCCCGAAGT
 TACGGATCCGGCTTGCCGACTTCCCTTACCTACATTGTTCCAACATGCCAGAGGCTGTTACCTTGAGA
 CCTGCTGCGGATATGGGTACGGCCCGCGCGAGATTTACACCCTCTCCCGGATTTTCAAGGGCCAGCG
 AGAGCTCACCGGACGCGCCGGAACCGGACGCTTTCCAAGGCACGGGCCCTCTCTCGGGGCGAACCA
 TTCCAGGGCGCCTGCCCTTCAAAAGAAAAGAGAACTCTCCCGGGGCTCCCGCGGCTTCTCCGGGAT
 CGGTCGCTTACCGCACTGGACGCTCGCGGCCCATCTCCGCACTCCGGATTCGGAGATCTGAACCC
 GACTCCCTTCGATCGGCCGAGCCTCTGTCAAGTCTTGACCAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202694 representing NM_147136
Red=Cloning site Green=Tags(s)

MGGWSEAPRGGDPRRHPPGSPGAAATPAAAEAIHGKGPARVQSRRRRPPRVSGPPAPPGARWFLPLRNP
 RGVGPAPEPAPRADPRPAPRREEGGGKRGDDAGDDGAPRGRGEGGPRKGRGVSPDVGEGGGASSRG
 ARPAPLRAPARPTQPLEPILIPKLRIRLADFPYLHCSNMPEAVHLGDLLRIWVRPGARFTPSPPDFQGPA
 RAHRTPPPEPRRFPRHGPLSRGEPIPGRPALHKEKRTLPGAPAGFSGIGRVTALDASRRSPPLRIRRSEP
 DLSIGRASVKSWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_147136

ORF Size: 885 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.

RefSeq: [NM_147136.1](#), [NP_671477.1](#)

RefSeq Size: 1038 bp

RefSeq ORF: 888 bp

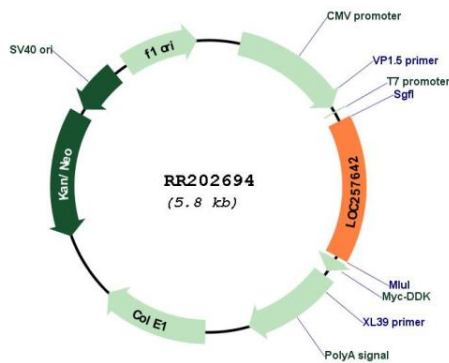
Locus ID: 257642

Cytogenetics: 6q14

MW: 31.2 kDa

Gene Summary: protein that binds to rRNA promoter sequence and rRNA transcription factors; induces rRNA synthesis and may regulate cell proliferation [RGD, Feb 2006]

Product images:



Circular map for RR202694