

Product datasheet for **RR208659**

Elac2 (NM_172326) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elac2 (NM_172326) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elac2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208659 representing NM_172326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGCCCTCCGCTCGCTGCTGCGTCCCTTGGCTGCGCACCATGTGCGAGGGTTCCGCTCGCCGGC
 CGCGGCCCTCCAAAGACCCACTGCGACACTGCGCACGAGGGAGAAGCGCGGCCCGGTTGGGGTCCCGG
 GGGCCCGAACACCGTGTACCTGCAGGTGGTGGCGCGGGCGGCCGGACGCGCGGCTGCTCTACGTC
 TTCTCGGAATACAACAGGTACCTTTTTAACTGCGGAGAAGGCGTCCAACGACTTATGCAGGAACACAAAAC
 TGAAAGTCGCTCGCTTGGACAACATATTTCTCACTCGGATGCATTGGTCAAATGTTGGGGTTTTGTGTGG
 AATGATTTAACTTTAAAGGAAACCGGGCTTCCCAAATGCGTTCTGTCTGGACCTCCACAACCTGGAGAAA
 TATCTAGAAGCAATCAAATATTTCTGGTCCATTGAAAGGAATAGACCTGGCTGTGCGGCCCTCACTCTG
 CACCAGAATAACAAGGATGAGACCATGACTGTTTACCAGGTCCTATCCACAGTGAACGGAGGTGTGGAGA
 GCAAGAGCCATCACGGAGCCCCAAAAGATCTCCAACAGGCTCAGTCCCAAACAGTCGCTCTCAGACCCT
 GGATCCGCTGAAAATGGGCAAGTCCCTCCAGAGGGCAGCAGTGCAGGTGTCAACGGAAAGCATGGGGCA
 GGGACCCCTCCTTAGTGGTAGCTTTTGTCTGCAAGCTTCACTTGAGGAAAAGGAACTTCTTGGTGTCAA
 AGCAAAGGAGCTGGGCCCTTCTGTTGGGACGGCCGCAATTGCACCCATCATTGCTGCTGTCAAGGACGGG
 AAGAGTATCACTTATGAAGGAAGGGAGATTGCTGCTGAAGAGCTTTGTACACCACAGATCCTGGTCTCG
 TGTTTCATCGTGGTAGAGTGTCCCGATGAAGGATTCATCCAGCCCATCTGTGAGAAATGACACCTTTCAAAG
 GTACCAGGGAGAGGCCGATGCACCTGTGGCAGTGGTGGTCCACATAGCCCCAGAATCTGTACTCATCGAC
 AGCAGGTACCAGCAGTGGATGGAGAGGTTCCGGCCTGACACACAGCATCTGATTCTGAATGAGAATGCC
 CCTCAGTCCACAACCTGCGCAGCCACAAGATTCACTCAGCTCAGCCTCATCCACCCGACATCTTCCC
 TCAGCTCACAGCTTCCACAGTAAGGAGGAAGGTTCTACCTTCAGCTTGCCGACAGTTCGGGGTGAATGC
 CTTCTCAAGTATCACGTCGCCCCCAAGAGAGAGTGGCAGAGGGACACCACACTCGACTGCAATACTGATG
 AATTCATAGCTGAGGCCTTGGAGCTCCCAATTTCCAGGAGAGTGTGGAGGAGTACAGGAAGAATATGCA
 GGCCAGCCAGCCCGCAGAGAGAAAAGAAGCCAGTATCCTGAAATTGCTTCTGGGTACGGGGTCTGCC
 ATCCCAATGAAGATCCGAAATGTCAGTTCACACTCGTCAACCTAAGCCCTGACAAGTCTGTGCTGCTGG
 ATTTGTGGAGAAGGCACCTTTGGGCAAGTATGCCGTCATTATGGACAGCAAATAGACAGAGTCTCTGCAA
 CCTTACTGCTGTGTTTGTGTCCACCTGCATGCGGACCACCACACGGGCTTGTGAAATATCTTGCTGCAG
 AGGGAGCATGCGCTGGCGTCTCTGGGAAACCTTTTCAGCCCTTGCTAGTGGTGGCCCTACCCAGCTCA
 GGGCCTGGCTGCAGCAGTATCACAATCAGTGCCAGGAGATTCTGCATCACATCAGTATGATTCCTGCCAA
 ATGCCCTCAGAAAGGAGCAGAGGTCCCCAGTCCCCAGTTGAAAGGCTGATCAGCTTGCTGTTGAAACA
 TGTGACTTACAAGAATTTCAAGCCTGCCTGGTACGTCACTGCAAGCATGCTTTTGGCTGTGCGCTGGTGC
 ATTCATCTGGCTGGAAAGTGGTCTACTCAGGGGACACCATGCCCTGTGAGGCTCTGGTCCAGATGGGGAA
 AGATGCCACCCTCCTGATACACGAAGCCACTCTGGAGGATGGCTTGAAGAGGAAGCAGTGGAGAAGACG
 CATAGTACCACCTCCAGGCTATTGGTGTGGGGATGCGGATGAATGCTGAGTTCATCATGCTGAACCACT
 TCAGTCAGCGGTACGCCAAGATCCCCCTTTTCAGCCCTGACTTCAATGAGAAAGTTGGCATCGCCTTTGA
 CCACATGAAGGTCTGCTTTGGAGACTTCCCAGAGTCCCAAGCTTATTCCTCCGCTGAAGGCCCTGTTT
 GCAGATGACATTGAAGAGATGGTGAACGACAGGAGAAGAGGGAGCTACGGCTGGTGCAGGACGCCCTCC
 TGACTCAGCAGGACAGCTCAGAGGACAGAGAACCCACCAGAAGCGGGCCCACTCAGAGGAACCACA
 CAGCCACAGAGCAAGAAGGTCAGAGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208659 representing NM_172326
Red=Cloning site Green=Tags(s)

MWALRSLLRPLGLRTMSQGSARRPRPPKDPLRHLRTREKRGPGWGPGGPNTVYLQVVAAGGRDAAAALYV
FSEYNRYLFNCGEGVQRLMQEHKLVARLDNIFLTRMHWSNVGGLCGMILTLKETGLPKCVLSGPPQLEK
YLEAIKIFSGPLKIDLAVRPHSAPEYKDEMTVYQVPIHSERRCGEQEPSRSPKRSPNRLSPKQSSSDP
GSAENGQCLPEGSSAGVNGKAWGRDPSLVVAFVCKLHLRKGFLVLKAKELGLPVGTAIIAPIIAAVKDG
KSITYEGREIAAEELCTPPDPGLVFIVVECPDEGFIQPICENDTFQRYQGEADAPVAVVVHIAPESVLID
SRYQQWMERFGPDTQHLILNENCPSVHNLRSKIQTLQLIHPDIFPQLTSFHSKEEGSTFSLPTVRGEC
LLKYHVRPKREWQRDTTLDLCNTDEFIAEALELPNFQESVEEYRKNMQASPAPAEKRSQYPEIVFLGTGSA
IPMKIRNVSSTLVNLSPDKSVLLDCGEGTFGQLCRHYGQIDRVLCNLTAVFVSHLHADHHTGLLNILLQ
REHALASLGKPFQPLLVAAPTQLRAWLQQYHNQCQEILHHISMIPAKCLQKGAEVSPSPVERLISLLET
CDLQEFQTCLVRHCKHAFGCALVHSSGWKVVYSGDTMPCEALVQMGKDATLLIHEATLEDGLEEEAVEKT
HSTTSQAIGVGMRMNAEFIMLNHF SQRYAKIPLFSPDFNEKVGIAFDHMKVCFGDFPTVPKLIPLKALF
ADDIEEMVERREKRELRVRAALLTQQADSSDREPHQKRAHSEEPHSPQSKKVRAQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

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_172326.1](#), [NP_758829.1](#)

RefSeq Size: 2957 bp

RefSeq ORF: 2484 bp

Locus ID: 282826

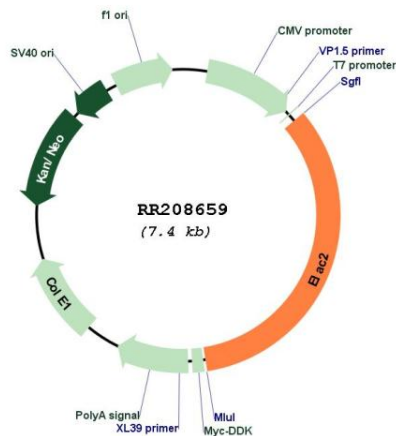
UniProt ID: [Q8CGS5](#)

Cytogenetics: 10q24

MW: 92.3 kDa

Gene Summary: human homolog is a tRNA 3 processing endoribonuclease and is associated with prostate cancer susceptibility [RGD, Feb 2006]

Product images:



Circular map for RR208659