

Product datasheet for **RN208659**

Elac2 (NM_172326) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN208659 representing NM_172326
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGCCCTCCGCTCGCTGCTGCGTCCCTTGGCTGCGCACCATGTGCGAGGGTTCCGCTCGCCGGC
 CGCGGCCCTCCAAAGACCCACTGCGACACTGCGCACGAGGGAGAAGCGCGGCCCGGTTGGGGTCCCGG
 GGGCCCGAACACCGTGTACCTGCAGGTGGTGGCGCGGGCGGCCGGACGCGCGGCTGCTCTACGTC
 TTCTCGGAATACAACAGGTACCTTTTTAACTGCGGAGAAGGCGTCCAACGACTTATGCAGGAACACAAAAC
 TGAAAGTCGCTCGCTTGGACAACATATTTCTCACTCGGATGCATTGGTCAAATGTTGGGGTTTTGTGTGG
 AATGATTTAACTTTAAAGGAAACCGGGCTTCCCAAATGCGTTCTGTCTGGACCTCCACAACCTGGAGAAA
 TATCTAGAAGCAATCAAATATTTCTGGTCCATTGAAAGGAATAGACCTGGCTGTGCGGCCCTCACTCTG
 CACCAGAATAACAAGGATGAGACCATGACTGTTTACCAGGTCCTATCCACAGTGAACGGAGGTGTGGAGA
 GCAAGAGCCATCACGGAGCCCCAAAAGATCTCCAACAGGCTCAGTCCCAAACAGTCGCTCCTCAGACCCT
 GGATCCGCTGAAAATGGGCAAGTCCCTCCAGAGGGCAGCAGTGCAGGTGTCAACGGAAAGCATGGGGCA
 GGGACCCCTCCTTAGTGGTAGCTTTTGTCTGCAAGCTTCACTTGAGGAAAAGGAACTTCTTGGTGTCAA
 AGCAAAGGAGCTGGGCCCTTCTGTTGGGACGGCCGCAATTGCACCCATCATTGCTGTGTCAAGGACGGG
 AAGAGTATCACTTATGAAGGAAGGGAGATTGCTGCTGAAGAGCTTTGTACACCACAGATCCTGGTCTCG
 TGTTTCATCGTGGTAGAGTGTCCCGATGAAGGATTCATCCAGCCCATCTGTGAGAAATGACACCTTTCAAAG
 GTACCAGGGAGAGGCCGATGCACCTGTGGCAGTGGTGGTCCACATAGCCCCAGAATCTGTACTCATCGAC
 AGCAGGTACCAGCAGTGGATGGAGAGGTTCCGGCCTGACACACAGCATCTGATTCTGAATGAGAATGCC
 CCTCAGTCCACAACCTGCGCAGCCACAAGATTGAGACTCAGCTCAGCCTCATCCACCCGGACATCTTCCC
 TCAGCTCACAGCTTCCACAGTAAGGAGGAAGGTTCTACCTTCAGCTTGCCGACAGTTCGGGGTGAATGC
 CTTCTCAAGTATCACGTCCGCCCAAGAGAGAGTGGCAGAGGGACACCACACTCGACTGCAATACTGATG
 AATTCATAGCTGAGGCCTTGGAGCTCCCAATTTCCAGGAGAGTGTGGAGGAGTACAGGAAGAATATGCA
 GGCCAGCCAGCCCGCAGCAGAGAAAAGAAGCCAGTATCCTGAAATTGCTTCTGGGTACGGGGTCTGCC
 ATCCCAATGAAGATCCGAAATGTCAGTTCACACTCGTCAACCTAAGCCCTGACAAGTCTGTGCTGCTGG
 ATTGTGGAGAAGGCCTTTTGGGAGTTATGCCGTCATTATGGACAGCAAATAGACAGAGTCTCTGCAA
 CCTTACTGCTGTGTTTGTGCCACCTGCATGCGGACCACCACACGGGCTTGTGAAATATCTTGTGCGAG
 AGGGAGCATGCGCTGGCGTCTCTGGGAAACCTTTTCAGCCCTTGCTAGTGGTGGCCCTACCCAGCTCA
 GGGCCTGGCTGCAGCAGTATCACAAATCAGTGCCAGGAGATTCTGCATCACATCAGTATGATTCCTGCCAA
 ATGCCCTCAGAAAGGAGCAGAGGTCCCCAGTCCCCAGTTGAAAGGCTGATCAGCTTGTGTTGAAACA
 TGTGACTTACAAGAATTTAGACCTGCCTGGTACGTCACTGCAAGCATGCTTTTGGCTGTGCGCTGGTGC
 ATTCATCTGGCTGGAAAGTGGTCTACTCAGGGGACACCATGCCCTGTGAGGCTCTGGTCCAGATGGGGAA
 AGATGCCACCCTCCTGATACACGAAGCCACTCTGGAGGATGGCTTGAAGAGGAAGCAGTGGAGAAGACG
 CATAGTACCACCTCCAGGCTATTGGTGTGGGGATGCGGATGAATGCTGAGTTCATCATGCTGAACCACT
 TCAGTCAGCGGTACGCCAAGATCCCCCTTTTCAGCCCTGACTTCAATGAGAAAGTTGGCATCGCCTTTGA
 CCACATGAAGGTCTGCTTTGGAGACTTCCCAGCAGTCCCAAGCTTATTCCTCCGCTGAAGGCCCTGTTT
 GCAGATGACATTGAAGAGATGGTGAACGACAGGAGAAGAGGGAGCTACGGCTGGTGCGGGCAGCCCTCC
 TGACTCAGCAGGACAGCTCAGAGGACAGAGAACCCACCAGAAGCGGGCCCACTCAGAGGAACCACA
 CAGCCACAGAGCAAGAAGGTGAGGCCAGTGA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172326
Insert Size: 2484 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_172326.1 , NP_758829.1
RefSeq Size:	2957 bp
RefSeq ORF:	2484 bp
Locus ID:	282826
UniProt ID:	Q8CGS5
Cytogenetics:	10q24
Gene Summary:	human homolog is a tRNA 3 processing endoribonuclease and is associated with prostate cancer susceptibility [RGD, Feb 2006]