

## Product datasheet for **MC205883**

### Elac2 (NM\_023479) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elac2 (NM_023479) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elac2
Synonyms:	1110017O07Rik; D11Wsu80e; Hpc2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC048235  
 GGTCTGGGTGCATGTGGGCGCTCCGCTCACTGTTGCGTCCCCTTGGCCTGCGCACCATGTCGCAGGGTTTCG  
 GCTCGTGGCCCGCGGCCATCCAAAGACCCACTGCGACACCTGCGTACGCGGGGAGAAGCGCGGCCCGGGTC  
 CCGGGGGCCCGAACCCGTGTACCTGCAGGTGGTGGCGGGCGGGCCGGGACGCGGGGGCTGCTCTCTA  
 TGTCTTCTCGGAATACAACAGGTACCTTTTTAACTGCGGAGAAGGCGTCCAACGACTTATGCAGGAACAC  
 AAATGAAAGTCGCTCGCTTGGACAACATCTTTCTGACTCGGATGCATTGGTCAAATGTTGGGGGTTGT  
 GTGGAATGATTTAACTTTAAAGGAAACCGGGCTTCCCAAATGTGTTCTGTCTGGACCACCACAGTGGGA  
 GAAATATCTAGAAGCAATCAAAATATTTTCTGGTCCATTGAAAGGAATAGAAGTGGCCGTGCGGCCCTCAC  
 TCTGCACCAGAATACAAGGATGAGACCATGACTGTTTACCAGGTCCCTATCCACAGTGAACGGAGGTGTG  
 GAAAGCAACAGCCATCCCAGAGCCCCAGAACATCTCCAAACAGGCTCAGTCCCAAACAGTCATCGGACTC  
 TGGATCAGCTGAAAATGGGCAGTGCCCTCCAGAGGACAGCAGTGCAGGTGCCAACAGGAAAGCATGGGGC  
 AGGGACCCTCCTTAGTGGTAGCTTTTGTCTGCAAGCTTCACTTGAGGAAAGGAAACTTCTTGGTGCTTA  
 AAGCAAAGGAGCTGGGCCTTCTGTTGGGACGGCCGCATTGCACCCATCATTGCTGCTGCAAGGACGG  
 GAAGAGTACACTTACGAAGGAAGAGAGATTGCTGCTGAAGAGCTTTGTACACCCAGATCCTGGTCTT  
 GTATTCATTGTGGTAGAGTGCCTGATGAAGGATTCATCTGCCATCTGTGAGAACGACACCTTTAAAA  
 GGTACCAGGCAGAGGCTGATGCACCTGTGGCGCTGGTGGTCCACATAGCCCCAGAATCTGTACTCATCGA  
 CAGCAGATACCAGCAGTGGATGGAGAGGTTTCGGGCTGACACACAGCACCTGATTCTGAATGAGAATTGC  
 CCCTCGGTCCACAACCTGCGCAGCCACAAGATTGAGCCAGCTCAGCCTCATCCACCCTGACATCTTCC  
 CCCAGCTTACCAGCTTCTATAGTAAGGAGGAAGGGTCCACCCTCAGCGTGCCAACAGTTCGGGGTGAATG  
 CCTCCTCAAGTATCAGCTCCGCCCAAGAGAGAGTGGCAGAGGGATACCACACTCGACTGCAATACTGAT  
 GAATTCATAGCTGAGGCCTTGGAGCTCCCAAGTTCCAGGAGAGTGTGGAGGAGTATCGGAAGAACGTGC  
 AGGAAAACCCAGCCCCAGCAGAGAAAAGAAGCCAGTATCCTGAAATGTCTTCTGGGTACGGGGTCTGC  
 CATCCCAATGAAGATCCGAAATGTCAGTCCACACTCGTCAACCTAAGCCCTGACAAGTCACTGCTCTCG  
 GATTGTGGAGAAGGCACCTTTGGGCAAGTTGTGCCGTCATTACGGACAGCAATAGACCAGTCTTATGCA  
 GCCTCACGGCTGTGTTGTGTCACCTGCACGCCGACCACCACAGGGCTTGTGAATATCTTGTGCA  
 GAGAGAGCATGCGTTGGCATCTCTGGGAAACCCTTCCAGCCCTTGTGTTGGTGGCTCCTACCCAGCTC  
 AGGGCCTGGCTGCAGCAGTATCACAACCACTGCCAGGAGATTCTGCACCACGTCAGTATGATTCCTGCCA  
 AATGCCTTCAGAAAGGGCAGAGGTCTCCAATACTACATTGGAAGGCTGATAAGCTTGTGTTGGAAC  
 ATGTGACTTAGAAGAATTCAGACCTGCCTGGTACGGCACTGCAAGCATGCTTTTGGCTGTGCACTGGTA  
 CATTCTCTGGCTGGAAGTCTGCTACTCGGGGATACCATGCCCTGTGAGGCTCTGGTCCAGATGGGGA  
 AAGATGCCACCCTCCTGATACATGAAGCCACTCTGGAGGATGGCTTGGAAAGGAAGCAGTAGAGAAGAC  
 ACACAGCACCACTCCCAGGCTATTAATGTGGGATGCGGATGAATGCGGAGTTCATCATGCTGAACCAC  
 TTCAGTACGCGGTACGCCAAGATCCCCCTTTTACGCCCTGACTTCAACGAGAAAGTTGGCATCGCCCTTG  
 ACCACATGAAGGTCTGCTTTGGAGACTTCCCGACAGTGCCCAAGCTGATCCCCCACTGAAGGCCCTGTT  
 TGCAGGTGACATTGAAGAGATGGTGAACGCAGGGAGAAGAGGGAGCTACGGCTGGTGGCAGCAGCCCTC  
 CTGACCCAGCAGGACAGACAGCCAGAGGACAGAGAACCCCAACAGAAGCGGGCCACACAGATGAACCAC  
 ACAGCCACAGAGCAAGAAGGAGAGCGTGGCAACACTTAGGAGCGGAGTGTGACACGGCGAGGACTT  
 GGCTGCCTTCCCTGGCAGGACTTGGCCTGCCTTCCCTGGCAGGACTTGGCCTGCCTTCCCTGGCCTG  
 GCGGCGCTCTGCTCACTTCTCATGAGGCAGCACAGGATGTTGTGACTGCCCCGACGCTTACCAGAAAC  
 AAGACCATGTGCCAAGCTCAGGGTAAATAAATCTATTTTAAATAACATTAATAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_023479  
**Insert Size:** 2496 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC048235</a> , <a href="#">AAH48235</a>
<b>RefSeq Size:</b>	2723 bp
<b>RefSeq ORF:</b>	2496 bp
<b>Locus ID:</b>	68626
<b>UniProt ID:</b>	<a href="#">Q80Y81</a>
<b>Cytogenetics:</b>	11 40.42 cM
<b>Gene Summary:</b>	Zinc phosphodiesterase, which displays mitochondrial tRNA 3'-processing endonuclease activity. Involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA (By similarity).[UniProtKB/Swiss-Prot Function]