

Product datasheet for **MC227960**

Foxred1 (NM_001291448) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxred1 (NM_001291448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxred1
Synonyms:	BC024806; TEG-23; Tex23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227960 representing NM_001291448
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCGCAGAGCGCTGCGTCTTGCTGGTGGGCCCGGCCTCCCATACCGGGGCTACGCACACGCAAAG
 GAGGCTTTACTCTGGACTGGGATGCAAAGGTGTCTGACTTTAAGAAGAAGGTTGATTCCATCCTGCCTGG
 AAAGAAATATGAAGTGTGTATGACACACAGCCACCTGCCCCAGAACAGGCGGATGTGGTATCATAGGA
 GGTGGGATTCTTGGTCTGTCTGTGGCCTTTGGCTGAAGAAGCTGGAGAGTAGAAGAGGTGCCATTCGGG
 TGCTGGTGGTGGAGCAGGACCACACGTATTACGGGCTTCCACAGGGCCTTCTGTGGCGGGATTTG
 GCAGCAGTTTTCCGTGCCTGAGAATGTCCAGCTCTCACTTTTTCACTCAACTTTCTCCGGAACATAAAT
 GAGTACCTGGCTGTGGTGGATGCTCCTCTGTGGAACCTCAGTTCAACCTTCCGGCTGTCTTTGCTAG
 CTTCAGAAAAGGATGCTGCCACCTTGAAAACAATGTGAAAATGCAAAGGCAGGAAGGAGCCAAAGTCTG
 CCTGATGTCTCCTGAGCAGCTGCAGACCAAGTTCCCTGGATAAACGTAGAAGGAGTAGCTGGCGTCT
 TATGGGTTGGAGGATGAAGGTTGGTTTGTATGCCTGGTCTTTGCTCCAGGGTCTTCGTGCGAAAGGTCAGT
 CAATGGGAGTCTTTTTCTGCCAGGGAGAGGTGACACGTTTCATCACTTCTACCCCAATGAAGACCCC
 AACTGGGGAACATGTAGTCTTGAGAAGGATCAACAATGTCCATGTGAAAATGGACAAGAGCCTGGAGTAT
 CAACCAGTAGAATGTGCTGTAGTGATCAATGCTGCAGGAGCCTGGTCTGGGAAAATTGCAGAGCTGGCTG
 GTGTTGGGAAGGGACTTCTGGCACCTCCAGGGCACCAAGCTACCTGTGGAGCCAAGGAAAAGGTATGT
 GCATTTATGGCACTGCCACAGGACCAGGTCTGGAGACACCGTTGGTTGCAGACATTAGTGGAGTCTAT
 TTCCGACGGGAAGGATTGGGCAGCAACTACCTAGGTGGCTGTAGTCTACTGAGGAGGAAGAACCAGACC
 CAACAAATCTGAATGTGGACCATGACTTCTCCAGAACAAGTGTGGCCTCATTTGGTCCAGAGGGTGCC
 ATCTTTTAAGACTCTGGAGGTACAGAGTGCCTGGGCTGGTTATTATGACTACAATACTTTTGACCAGAAT
 GGCGTGGTGGGCCCCACCCACTAGTTGTCAACATGTACTTTGCTACGGGCTTCAGTGGTGTGGGCTTC
 AGCATGCACCTGGCATCGGACGCGCTGTGGCAGAAATCATGCTAGAGGGTCACTTTAAGACCATCGACAT
 GAGCCCCCTCTCTTTACCCGCTTTTACTTAGGAGAGAAGTTACAGGAGTACAATATCCT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001291448
- Insert Size:** 1464 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001291448.1](#), [NP_001278377.1](#)

RefSeq Size: 2289 bp

RefSeq ORF: 1464 bp

Locus ID: 235169

UniProt ID: [Q3TQB2](#)

Cytogenetics: 9

Gene Summary: Required for the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I). Involved in mid-late stages of complex I assembly.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 2.