

## Product datasheet for **MC226950**

### Foxred1 (NM\_001291449) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Foxred1 (NM\_001291449) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Foxred1  
**Synonyms:** BC024806; TEG-23; Tex23  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226950 representing NM\_001291449  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAAAGGCAGGAAGGAGCCAAAGTCTGCCTGATGTCTCCTGAGCAGCTGCAGACCAAGTTCCCTGGA  
 TAAACGTAGAAGGAGTAGCTCTGGCGTCTTATGGGTTGGAGGATGAAGGTTGGTTTGATGCCTGGTCTTT  
 GCTCCAGGGTCTTCGTCGAAAGGTCCAGTCAATGGGAGTCTTTTTCTGCCAGGGAGAGGTGACACGTTTC  
 ATCACTTCATCTACCCCAATGAAGACCCCAACTGGGAACATGTAGTCTTGAGAAGGATCAACAATGTCC  
 ATGTGAAAATGGACAAGAGCCTGGAGTATCAACCAGTAGAATGTGCTGTAGTGATCAATGCTGCAGGAGC  
 CTGGTCTGGGAAAATTGCAGAGCTGGCTGGTGTGGGAAGGGACTTCCTGGCACCCCTCCAGGGCACCAAG  
 CTACCTGTGGAGCCAAGGAAAAGGTATGTGCACTTATGGCACTGCCACAGGGACCAGGTCTGGAGACAC  
 CGTTGGTTGCAGACATTAGTGGAGTCTATTTCCGACGGGAAGGATTGGGCAGCAACTACCTAGGTGGCTG  
 TAGTCCTACTGAGGAGGAAGAACCAGACCCAACAATCTGAATGTGGACCATGACTTCTCCAGAACAAA  
 GTGTGGCCTCATTTGGTCCAGAGGGTGCCATCTTTAAGACTCTGGAGGTACAGAGTGCCTGGGCTGGTT  
 ATTATGACTACAATACTTTTGACCAGAAATGGCGTGGTGGGCCCCACCCTAGTTGTCAACATGTACTT  
 TGCTACGGGCTTCAGTGGTCGTGGGCTTCAGCATGCACCTGGCATCGGACGCGCTGTGGCAGAAAATCATG  
 CTAGAGGGTCACTTTAAGACCATCGACATGAGCCCTTCTCTTTACCCGCTTTTACTTAGGAGAGAAGT  
 TACAGGAGTACAATATCCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291449



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<b>Insert Size:</b>	933 bp
<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001291449.1</a></u> , <u><a href="#">NP_001278378.1</a></u>
<b>RefSeq Size:</b>	2294 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	235169
<b>Cytogenetics:</b>	9
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice near its 5' end that results in translation initiation at a downstream AUG compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct N-terminus compared to isoform 1.</p>