

Product datasheet for **MC201700**

Foxred1 (NM_172291) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxred1 (NM_172291) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxred1
Synonyms:	BC024806; TEG-23; Tex23
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024806 sequence for NM_172291
CACCTCAAGCTGAAAGAAGCCGGGCTCTAAGGCCATGTTTCGCAGAGCGCTGCGTCTTGGCTTGGGCCCC
GGCCTCCCATACCGGGGGCTACGCACACGCAAAGGAGGCTTTACTCTGGACTGGGATGCAAAGGTGTCTG
ACTTTAAGAAGAAGTTGATTCCATCCTGCCTGGAAAGAAATATGAAGTGTGTATGACACCAGCCACCT
GCCCCAGAACAGGCGGATGTGGTCATCATAGGAGGTGGGATTCTTGGTCTGTCTGTGGCCTTTTGGCTG
AAGAAGCTGGAGAGTAGAAGAGGTGCCATTCGGGTGCTGGTGGTGGAGCAGGACCACACGTATTCACGGG
CTTCCTCCACAGGGCCTTCTGTGGCGGGATTGGCAGCAGTTTTCCGTGCCTGAGAATGTCCAGCTCTC
ACTCTTTTCAATCAACTTTCTCCGGAACATAAATGAGTACCTGGCTGTGGTGGATGCTCCTCCTGTGGAA
CTTCAGTTC AACCTTCCGGCTGTCTTGTAGCTTCAGAAAAGGATGTGCCACCTTGGAAAACAATG
TGAAAATGCAAAGGCAGGAAGGAGCCAAAGTCTGCCTGATGTCTCCTGAGCAGCTGCAGACCAAGTTTCC
CTGGATAAACGTAGAAGGAGTAGCTCTGGCGTCTTATGGGTTGGAGGATGAAGGTTGGTTTGATGCCTGG
TCTTTGCTCCAGGGTCTTCGTCGAAAGGTCCAGTCAATGGGAGTCTTTTTCTGCCAGGGAGAGGTGACAC
GTTTCATCACTTCATCTACCCCAATGAAGACCCCAACTGGGAACATGTAGTCTTGAGAAGGATCAACAA
TGTCATGTGAAAATGGACAAGAGCCTGGAGTATCAACCAGTAGAATGTGCTGTAGTGATCAATGCTGCA
GGAGCCTGGTCTGGGAAAATTGCAGAGCTGGCTGGTGTGGGAAGGGACTTCTGCCACCCTCCAGGGCA
CCAAGCTACCTGTGGAGCCAAGGAAAAGGTATGTGCACCTATGGCACTGCCACAGGGACCAGGTCTGGA
GACACCCTGGTTGCAGACATTAGTGGAGTCTATTTCCGACGGGAAGGATTGGGCAGCAACTACCTAGGT
GGCTGTAGTCTACTGAGGAGGAAGAACCAGACCCAACAATCTGAATGTGGACCATGACTTCTTCCAGA
ACAAAGTGTGGCCTCATTTGGTCCAGAGGGTGCCATCTTTAAGACTCTGGAGCATCTTTTGACCTGCA
GGTACAGAGTGCCTGGGCTGGTTATTATGACTACAATACTTTTGACCAGAATGGCGTGGTGGGCCCCAC
CCACTAGTTGTCAACATGTACTTTGCTACGGGCTTCAGTGGTCTGGGCTTCAGCATGCACCTGGCATCG
GACGCGCTGTGGCAGAAATCATGCTAGAGGGTCACTTTAAGACCATCGACATGAGCCCCCTCCTCTTTAC
CCGCTTTTACTTAGGAGAGAAGTTACAGGAGTACAATATCCTCTGAGTGTGAAAACACTGTCTGGGCCTC
ACCAGCCCAGGCATCACTCTGTCTCACGCTGGCTTTGGTCACTGTCTGAGTCTCCCAGCACTGTGCCAG
GGATACATCCCTTTCTTACCATCCCTTAACCAGGCCTTCCCGGTGTCTCTGGACATGGAATGAGC
ATAGGCACAAAGACCCAGACCAGTGAAAGTGATGAAGTGGGAGCCTAGGACTGATTGTAGCCTAGGCTG
CTTCACTACCTAAACAGTTCAGCTGGCATCCCAGGCATGGTGCCAGGACTGGCCTCCTTCTGTGCTG
ATGCAGAGAAATCTGACCAGAGCCAAGGCACAGAACATTCTAGGATAACCTGGCCAAATTTATTGACTT
GTCTATTAACCTGTTCTTTAATCTGGCCTTATGTTCTTCTACTTTTCTTCTCATGGTAGAAGCTTTTGA
AGTATTGTGCCATTA AAAAGGCAGCTTTGGGGGCTGGAGAGATGGTTAAGAGCACTGACTGCTCTCCAG
AGGTGCTGAGTTCAGTTCCTAGCAACCACATGGTGGCTCACAAACCAACCATCTGTAATGGAATCTGATAC
CCTCTTACTCTGTCTGAAGACAGTGACAATGTACTCACATACATAAAATAAATAAATCTTAAAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_172291

Insert Size: 1482 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:

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: [BC024806](#), [AAH24806](#)

RefSeq Size: 2177 bp

RefSeq ORF: 1482 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 (1) represents the longest transcript and encodes the longest protein (isoform 1).