

## Product datasheet for **SC319320**

### FOXRED1 (NM\_017547) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FOXRED1 (NM_017547) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXRED1
Synonyms:	FP634; H17; MC1DN19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017547.2  
 GAGGGTCCGGGCTCAGAGGGTTATGATTCGGAGGGTTCTGCCGCACGGCATGGGCCGGG  
 GCCTCTTGACCCGGAGGCCAGGCACGCGCAGAGGAGGCTTTTCTCTGGACTGGGATGGAA  
 AGGTGTCTGAGATTAAGAAGAAGATCAAGTCGATCCTGCCTGGAAGTCTGTGATCTAC  
 TGCAAGACACCAGCCACTGCCTCCCGAGCACTCGGATGTGGTATCGTGGGAGGTGGGG  
 TGCTTGGCTTGTCTGTGCCTATTGGCTGAAGAAGCTGGAGAGCAGACGAGGTGCTATT  
 GAGTGTAGTGGTGAACGGGACCACACGTATTACAGGCCTCCACTGGGCTCTCAGTAG  
 GTGGGATTTGTCAGCAGTTCTCATTGCCTGAGAACATCCAGCTCTCCCTCTTTTCAGCCA  
 GCTTTCTACGGAACATCAATGAGTACCTGGCCGTAGTCGATGCTCTCCCTGGACCTCC  
 GGTTCAACCCCTCGGGCTACCTCTTGCTGGCTTACAGAAAAGGATGCTGCAGCCATGGAGA  
 GCAACGTGAAAGTGCAGAGGCAGGAGGGAGCCAAAGTTTCTCTGATGTCTCCTGATCAGC  
 TTCGGAACAAGTTTCCCTGGATAAACACAGAGGGAGTGGCTTTGGCGTCTTATGGGATGG  
 AGGACGAAGGTTGGTTTGACCCCTGGTGTCTGCTCCAGGGGCTTCGGCGAAAGTCCAGT  
 CCTTGGGAGTCTTTTCTGCCAGGGAGAGGTGACACGTTTTGTCTTTCATCTCAACGCA  
 TGTTGACCACAGATGACAAAGCGGTGGTCTTGAAAAGGATCCATGAAGTCCATGTGAAGA  
 TGGACCGCAGCCTGGAGTACCAGCCTGTGGAATGCGCCATTGTGATCAACGCAGCCGGAG  
 CCTGGTCTGCGCAAATCGCAGCACTGGCTGGTGTGGAGAGGGGCCCTGGCACCTGC  
 AGGGCACCAAGCTACCTGTGGAGCCGAGGAAAAGGTATGTGATGTGTGGCACTGCCCC  
 AGGGACCAGGCCTAGAGACTCCGCTTGTCCAGACACCACTGGAGCCTATTTTCGCCGGG  
 AAGGATTAGGTAGCAACTACCTAGGTGGTCTGAGCCCCACTGAGCAGGAAGAACCGGACC  
 CGGCGAACCTGGAAGTGGACCATGATTTCTTCCAGGACAAGGTGTGGCCCCATTTGGCCC  
 TGAGGGTCCCAGCTTTTGGACTCTGAAGTTCAGAGCGCCTGGGCCGGCTATTACGACT  
 ACAACACCTTTGACCAGAATGGCGTGGTGGGCCCCACCCGCTAGTTGTCAACATGTACT  
 TTGCTACTGGCTTCAGTGGTACAGGGCTCCAGCAGGCCCTGGCATTGGGCGAGCTGTAG  
 CAGAGATGGTACTGAAGGCGAGTTCCAGACCATCGACCTGAGCCCTTCTCTTTACCC  
 GCTTTTACTTGGGAGAGAAGATCCAGGAGAACAACATCATCTGAGCATGTGTGCTCTGCA  
 CTGGCTCCACTGGCTTGCATCCTGGCTGTGTTACAGCCTTGTGTTGCTGCTTCCATCTTC  
 CCCAGTACTGTGCCAGGCCTTCTCCCCCTCCCAGTGTCTCTCCTCTCAGGCAGGCCAT  
 TGCACCCATATGGCTGGGAGGCACAGGCAGTGGGCGGAGGCAATAGCGAGTGATGAG  
 CGGGATCTAGGACTGATCTGTAGCCCATGCTGATGTCACCCACCAGGGCAATCCATCTG  
 GAGGCCTGAGCACCTGGCCAGGACTGGCTTTCATCCTGGCACTGACCAGGAAAGACTGC  
 CTCTGACCCTCTTAGCAGACAGAGCCCAGGCATGGGAGCACTCTGGGGCAGCCTGGCTCA  
 GGTTTATTGATTTTCTGTCTGTTTACCCTATCCATTAATCAATACATGTAATTAACCTCTA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017547

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_017547.2](#), [NP\\_060017.1](#)

**RefSeq Size:** 1967 bp

**RefSeq ORF:** 1461 bp

**Locus ID:** 55572

**UniProt ID:** [Q96CU9](#)

**Cytogenetics:** 11q24.2

**Domains:** DAO

**Gene Summary:** This gene encodes a protein that contains a FAD-dependent oxidoreductase domain. The encoded protein is localized to the mitochondria and may function as a chaperone protein required for the function of mitochondrial complex I. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]  
Transcript Variant: This variant (1) encodes a functional protein.