

Product datasheet for **MC220287**

Foxred2 (NM_001017983) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxred2 (NM_001017983) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxred2
Synonyms:	A430097D04Rik; D15Bwg0759e; Gm304
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220287 representing NM_001017983
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTCCCTCGGGGCTGCTGGTGGCCCTAGCCTTGCACCTGGCAGTGTGTTCCCGTCCGCACCGGGACT
 ACTGCGTCTGGGCGCCGGTCTGCGGGCTGCAGATGGCCGCCTTCTGCATCGAGCCGGCAGGGACTA
 CGAGGTATTGGAACGCGAGTCCGCACCTGGCAGCTTCTCACTCGCTACCGCGCCACCGCAAGCTCATC
 AGCATCAACAAGCGGCACACGGGCAAGGCCAACCGGAGTTCAACCTCCGCCACGACTGGAACCTCGCTGC
 TCAGCGACGACCCACACCTGCTCTTACAGACTACTCGCAGGCTTACTTCCCGACGCCAGCGACATGGT
 GCGCTACCTGGTGACTTCGCGCGGCCCTGGGGCTCCATGTGTATAACAACAACATCACCCATGTG
 ACCCTGGACAAGGATCCACAAGCTGGAACGGCCATTACTTATTCTGACGGACCAGAAGGGCCAGGTTT
 ACCAGTGCAGCGTCTGCTTGTAGCCACTGGTCTGGCAGTCCCCAACTGGTTGACTTCCCGGCTCTGA
 GTATGTGGAGGGTACGAGTCTGTGTCCTGGATCCTGAAGACTTGTGGCCAGAAATGTGTTGATCCTG
 GGCCATGGGAACCTCAGCCTTCGAGACGGCAGAAAACATCTTGGGTGTCACTAACTTGTCCACATGCTGA
 GCCGTTCCCGGGTCCGGCTCTCCTGGGCCACCCACTATGTTGGAGATGTAGAGCCATCAACAATGGCCT
 GCTGGACACCTACCAGCTGAAATCACTAGACGGGCTCCTGGAATCAGACCTGGAGTATCTGGCCCTCGTG
 AAGGACAGCAAGGGCAAGTTCACGTCACCCTGAAATTCCTCCTGGAGAATAACAGCAGCCAGAGTGCCG
 ACTCTATTTCCCTCCCGGAGGATGACAACGACAACCTTGGCCATGCGGGTGGCCTACGACCGTGTATCCG
 CTGCTGGGATGGACGTTGACTTCTCCATTTTCGACCAGTCCCTCAGACTCTCCTCGGGGACTGAGTTC
 AGCAAGAAATACCACTGATCAAAGCCAGCTATGAATCCAAAGGAAGCCGGGTCTCTTTATCCTAGGGA
 CTGCCAGCCACTCAGTGGACTACCGGAAATCCGCTGGCGGCTTCATCCATGGATTCCGATACACAGTCCG
 TGCTGTCCACCGGCTACTGGAACATCGGCACCATGGCATCCCCTGGCCATCCACAGAGTACCCCATCACA
 CAGCTGACCAGCTCCATCATCCGGCGTGTAAATGAGGCTTCTGGGCTGTACCAGATGTTAGTGTCTGG
 CTGACATCATCTGTTGAAGGAGAACGCCACAGCCTTTGAGTACCTGGAGGAGTTCCTATGCAGATGCT
 GGCCAGCTGGAGATGCTCACAGGGAGGACAGCACGGCATGGGCTCTTTGTATCAACATGGAATATGGC
 AAAAATTCTCTGGGCTGAGAAGGATGTCTTCTATTATGACCGGTCTGTGGCACACATAGAAGTGCCT
 GGATGTCTAACTTCCTTACCCTGTCATCTACTACTACAGACACCTCCCCACTGAGCAAGATATGCGGTT
 CCGTCTGCACAGTGGCCCTGCCTCGGCTACAGCCATCCACCACATCGTGGAGGACTTCTGACTGAC
 TGGACAGCCCCAGTAGGACACATCCTCCATTGAGGCGCTTCTTGAAAACCTGTCTGGACACAGATCTGC
 GTAGCTTTTATGCAGAGTCTGTTTCTGTTTCACTCACAGCCAGAGGCTGCCGCCCTTTTGCCAGCA
 GGGATACCTGAGAATGCAGGGGCTCTCAAGCACAAGAGCCTTTGGCAGCATGGTGTGAAAGCAGGCTC
 CTGAGGACTACAGGCCATGGAGAACAGCAATAGGTGGCTTGGTACCCTCCACAGCTCCAGAGCCTC
 TGACTCAATCCCTTGACAGCAACAAGAGGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001017983
- Insert Size:** 1998 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: [NM_001017983.2](#), [NP_001017983.2](#)

RefSeq Size: 4812 bp

RefSeq ORF: 1998 bp

Locus ID: 239554

UniProt ID: [Q3USW5](#)

Cytogenetics: 15 36.92 cM

Gene Summary: Probable flavoprotein which may function in endoplasmic reticulum associated degradation (ERAD). May bind non-native proteins in the endoplasmic reticulum and target them to the ubiquitination machinery for subsequent degradation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.