

Product datasheet for **MC229697**

Fer1I5 (NM_001277076) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fer1I5 (NM_001277076) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fer1I5
Synonyms: 4930533C12Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229697 representing NM_001277076
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAGGGTGTGGAGTCCGCTTCGATTAACCCTCCCCTCAGCACCACCCAAAGCTTTCGTAA
CTGTCTACTTCAGAGATATGATGAAAAGAAGTTCGAGTGGAGGAAGGACATGACCCCATATGGAATGAGAC
CCTAATCTGGCACCTCTGGAATCAGCCACTGAAAATGACTCCTTCTGAAAGTCATACTCAGGACTCG
GTTTCTAAAAAGAAAGAAAGTTTATTGGCCTGGCCACTGTACCGCTCAAGCGGCTGGCACAAGACCGA
AAGAAGTCATGTTTGTGAGGGACCTGATCCTGCTCAACCATTCCATGAAGCCCACTAACTGTACTGTAC
CCTACATGTGGCCAAATATACGACCAGGATACTGAGATGACAGGCAATGAGGAGCTCCTGGGCTCAACT
GTAATGAGGTGACCCAGAAGAACTAATGGTCTCTGGCCTCCCATGCACAGGGCTCTGGCTTCCAAGC
CTCAACTTTTCAGGTCGGGTGAAGGTGTTTGAAGCCCGACAGCTCCTGGGCAACAACATAAACCTGT
AGTAAAGGTAAACATTGCAGATCAGCAGCATCTCACTCGGATCAAGATGGGAAACAATCCTTTCTCAAT
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TTCCCCAGGTCACACACTCCTGAGGAAATGGTTAGGCCTCTGTCAGCGAAATAAGACCACCAAGTGGAGT
AGAGGCTACTTGAAGTCAACATCTGTGCCCTCGGTGTAGGGGATCAGGCCTGGTAGATCAAAAGCTGC
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CCATGATGCCCAAATTTAAGGACCTGATTCAATTCGAGGTCAGCATGGGCCACTATGAAACAAGACGGA
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 TATGTGCCCTGGTACAACACGAAGCCTGTGGTGGCTGTGACCTCCAAGTGGGAGGATGTTGGCTCCGAA
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 ATGATGAGATTGGAAGTACTGTCATTGACCTTGAAGACCGACTTCTGTCTGGCTTTGGGGCCGTTGTGG
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 GGCCAGCCGGCCGAGGCCAGTCCGAACCAACCAAGTTCCTATGCTTCATCCTCTGAGCGAAAATGATTC
 CTTCTTACTGTGGTACCAGTACCTATTAATAAACTTCTGCTATGCTGTCTGCAAACGCTACCGCTCCAAA
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 TACGGTGAACACCAGCAATCAACTCTCCATTCTACCATGGAGGGCTCAACATATCACGAAGCCAT
 GTCTTCCAGAGGCTCCAGCTCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001277076
- Insert Size:** 6117 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_001277076.1](#), [NP_001264005.1](#)
- RefSeq Size:** 6318 bp
- RefSeq ORF:** 6117 bp
- Locus ID:** 100534273
- UniProt ID:** [P0DM40](#)
- Cytogenetics:** 1 B

Gene Summary:

Plays a role in myoblast fusion; probable mediator of endocytic recycling for membrane trafficking events during myotube formation.[UniProtKB/Swiss-Prot Function]