

Product datasheet for **MC229700**

Myof (NM_001302140) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myof (NM_001302140) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myof
Synonyms: 2310004N10Rik; 2310051D19Rik; E030042N20Rik; Fer1; Fer1l3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229700 representing NM_001302140
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTCGAGTGATTGTGGAATCTGCCACTAACATCCCTAAAACAAAATTTGGGAAGCCGGATCCTATCG
 TTTCTGTCATTTTAAGGATGAGAAAAAGAAAACAAAGAAAGTTGATAATGAACTCAACCCTGTCTGGAA
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 ACCAGAACAGGTCTTTGCCCTACAAACAGACCTCCCTGCTAAATGAAAAGGGACAAGACTGGGGCCAC
 CATTGACCTGGTGATCGGCTATACCCACCTTCAGCTCCACATCCAAATGATCCGAGCGGGACCAGTGTG
 CCAGGCATGGGAGAAGAAGGAAGAAGATCAAGGAGATGAAGACAGGGTATGATGGCATAGTCAGAGGCC
 CTGGGCCCAAGGGGCCATCTGGGACAGTGTGAGAACTCAGCTGGCTCGGAGGATCACCAAGGGGAAGAG
 CAGCCGAAGGATGCTGTCCAACAAGCCACAGGATTTCCAGATCCGTGTGAGAGTATCGAGGGCCGTCAG
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CAGGATTTCCAGATCCCTATGATGAGCTCAACTCAGGAAAGGGAGAAGGGGTGGCCTACAGAGGCAGGAT
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 GACCTTCTGGTTGTTGAGAAGTACCAGCGAAGGCGGAAGTATAGCCTGTCCGCCGTGTTCCATTCAGCCA
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 CATGCCGGAAGTCGTTATTGAAATAGAAGACACCAAACCACTTACTGGCTTCTAAGCTGTGCGAAAAGGA
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 TGACAGATTTCTCAGATACCTTCAAGCTGTACAGAGGCAAGTCCGATGAGAATGAAGATCCATCTGTGGT
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 TGAAGACCGAGACCACTACATCCCAACTCTCAACCCAGTGTGGCAGAATGTACGAACTGAGCTGC
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 GCAGTACTGTGTTTCCGGAGTAAATACCTGGCGAGATCAGCTGAGACCAACGCAGTTGCTTCAAACGTT
 GCAAGATTCAAAGGCTTCCCGCCACAGTTCTTTCTGAAGACGGAAGCAGAATCCGATACGGAGGTGAG
 ACTACCATTTGGATGAGTTTGGGCCAACAAAATCCTGCACCAGCACCTTGGAGCCCCGAAGAGCGTCT

Gene Summary:

The protein encoded by this gene is a member of the ferlin family of proteins, which have been implicated in fusion events in muscle tissue. Members of this family have a carboxy-terminal single pass transmembrane domain and multiple C2 domains, which bind negatively charged phospholipids in the presence of calcium ions. This gene is expressed at high levels in myoblasts and upregulated in damaged skeletal muscle. Mice deficient in this protein display defects in myoblast fusion, muscle regeneration, and angiogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).