

Product datasheet for **MC225170**

Dysf (NM_021469) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dysf (NM_021469) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dysf
Synonyms: 2310004N10Rik; AI604795; D6Pas3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225170 representing NM_021469
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCTGTTGCTTGGCAAGGGCCAGCAACCTCCCAATGTGAAGAAGGACCGGCGCAGCGATCCAG
TTGCCAGCCTGATTTTTCGAGGGGTAAGAAGAGAACCAAGTCATCAAGAACAGTGTGAACCCCGTGTG
GAATGAGGGCTTTGAGTGGGACCTCAAAGGTATTCCTCTAGATCAGAGCTCAGAATTCTCGTGGTGGTC
AAGGACCATGAGACGATGGGAAGAACAGGTTCCTGGGGGAAGCCAAGATCCCACTCCAGGAGGTCCCTTG
CCACCCCAAGCCTCTCTGCCAGCTTCAACGCACCTCTGCTAGACGCCAAGCAGCAACCCACGGGGCCCTC
TCTGGTCTGCAGGTGTCTACACGCCACCCCAAGGAGCTGTGCCCTGTTCCACACCTGCTTCTCTA
GCACCTCCCCGACACTGCCTGACATGGATCTGGTGCCTGGTGGGGACAGAGCCGGGCTGAGACTTGGT
CCCTGCTCAGTGACAGCACCATGGACACGAGATACTCTGGGAAGAAGTGGCCGTCCCAACGGACACAGG
AGGGGAGGAAGACACCGAGGACCAAGGCCTGACTGGAGATGAAGCTGAGCCGTTCTGGACCAGAGTGTG
GCTGTGGGCCAGGGGACCGACACCCAGGAAGCCACCTCCACCTCTCCCACTATCCAGGGG
CAAAAAGAAAAGAAGCTCTGCCACCTAGAAAGCTGCTGTGAGACAAGCCACAGACTCCAGATCAG
AGTCCAGGTGATAGAGGGCGTCACTGCCTGGGTGAATATTAAGCCTGTGGTCAAGGTACAGCTGCT
GGCAGACCAAGCGAACTCGGATCCAGAAGGAAATAGCCCACTTCAATGAGACTCTTTTCTTCAACG
TATTTGACTCTCCCTGGAGCTGTTGATGAGCCATCTTCATCACGGTGGTGGACTCACGCTCCCTTAG
GACAGATGCCCTCCTGGCGAGTCCGGATGGATGTGGGCACCGTGTACAGAGAGCCCGACAGCTTAT
CTCCGGAAGTGGTGTGCTCTCCGACCCTGATGACTTCTGCGGGGGCCAGAGGCTACCTCAAAGCCA
GCCTGTGTGTGCTAGGGCCTGGAGATGAAGCTCCCTGGACAAGAAGGACCTTCTGAAGACAAAGAGGA
CATTGAAGGCAACCTGCTTAGGCCACCGGTGTGGCCCTTCGAGGAGCCCACTTCTGCTGAAGCTCTTC
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GCAACAAGAAGAACTTGGTGGATCCCTTTGTGGAAGTCAGCTTTGCTGGGAAAATGCTCTGACGCAAGAT
CCTGGAGAAGACAGCTAACCCCTCAGTGGAAACGAAACATCACCTTGCTGCGATGTTTCCCTCTATGTG
GAAAAATGAGGATTCGTGTCATGGACTGGGACCCTCACTACAATGACACTGTGGCCACCACCTACT



TGGGTATGTCGAAAATCTCTGCTACTGGAGGAGAAATAGAAGTGGACGACAACCTGGGCTTCTCCCCAC
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CAAAGGATAGCTTCCGCCCTCAGCTGGCTGGGCTGGGCAAGGATTGGTTCTGTGTCCAGAGAAGAC
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GCCAGCCTGCCGGCGAGCTGCTGGCAGCGTTCGAGCTTATCCAGAGAGAGAAGCCAGCCATCCATCACAT
CCCTGGCTTTGAGATGCATGAACTTCAAGGATTTGGATGAGACGGAGGACACAGATTTGCCTTACCCA
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TTGAGATCCTGGCCTGGGGCCTGCGGAACATGAAGAGCTATCAGATGGCCAGCATCTCTTCCCCAGCCT
CGTGGTGGAGTGTGGTGGCAGACAGTGCAGTCTGTGCATCAGAAACCTTCGGAAGAACCCTCAACTTT
GATGTCTGACTCTTTCATGGAAGTGTATTTACCCAGAGAGGACCTCTACTGTCCACCTATTGTGGTCA
AGGTCATTGATAATCGCCAGTTTGGCCGCGGCCAGTTGTGGGTCAAGTGTACCATTGCTCCTGGAGAA
CTTCTGTGCGACCCATACTCAGCAGAGAGTCCATCCCCACAGGTGGCCAGATGATGTGAGCTTACTC
AGCCCCGGGAAGATGTGCTGATTGACATCGATGACAAGGAGCCTCTCATTCTGTCCAGGAGGAGGAGT
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CCATCAGCTGGCTGCTCAGGGTCCCAGGAATGCTTGGTCCGTATTTATATCGTCCGAGCATTGGCTTA
CAGCCCAAGGACCCCAATGGCAAGTGTGACCTTACATCAAGATCTCCATAGGGAAGAAAATCAGTGAAGT
ACCAGGATAACTACATCCCTTGACCCCTGGAGCCTGTATTGCGAAAGATGTTTGAACCTCACCTGCACTCT
ACCTCTGGAGAAGGACCTGAAGATCACACTCTACGATTATGACCTGCTCTCCAAGGATGAGAAGATTGGG
GAGACGGTCTAGACCTGGAGAACAGGCTGCTGTCCAAGTTTGGGGCTCGCTGTGGGCTCCCACAGACCT
ACTGTGTCTCTGGACCAATCAGTGGAGAGATCAGCTCCGCCCTCCCAGCTCCTCCACCTCTTCTGCCA

GCAGCACAGGATCAAGGCCCCCGTGTACCGGACAGACCGAGTGACGTTTCAGGATAAGGACTACACCATT
 GAGGAGATAGAGGCTGGCAGACTCCAAACCCACACCTGGGCCAGTGGAGGAACGCTTAGCCCTGCATG
 TCCTTCAGCAACAAGGCTTGGTTCTGAGCATGTGGAGTACGGCCTCTTTATAGTCCTCTGCAGCCAGA
 TATCGAGCAGGGGAAGCTACAGATGTGGATTGACATATTTCAAAGGTGCTGGGCCGGCCTGGACCTCCC
 TTCAACATCACCCACGGAAAGCTAGAAGGTTTTTCTGCGTTGTATTATTTGGAACACAAAAGATGTGA
 TCTTGGATGACCTCAGTCTCACGGGGGAGAAGATGAGTGACATCTATGTGAAAGGCTGGATGGTGGGATT
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 TTCGTGTTTTCCCTTCGACTATCTGCCTGCTGAGCAAGTCTGTGCTGTTGCCAAGAAGGATGCCTTCTGGA
 GACTCGACAAGACAGAGCAAGATCCCAGCACGTGTGGTCTTCCAGATCTGGGACAATGACAAATTCTC
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 AAGTGCTCCTTGGACCAGCTGGATGACACCTTCCACCCAGAATGGTTTGTGTCCCTTTTTGAGCAGAAGA
 CAGTGAAGGATGGTGGCCTTGTGTGACAGAGGAGGGCGAGAAGAAGATGTTGGCGGCAAGCTGGAAT
 GACCTTGGAGATTGTTGCAGAAAGTGAACATGAAGAGCGCCTGCTGGCCAAGGTCGGGATGAACCCAAC
 ATGAATCCGAAGCTAGAGGATCCAAGGCCCCCGATACTTCTTCTGTGGTTCACCTCCCGTACAAGA
 CCATGAAGTTCATCTTGTGGCGACGCTTCCGGTGTGCCATCATCCTTTCATCATCCTTTCATCCTCT
 GCTCTTCTGGGTGCTTTGTCTACGCCTCCCGAACTACGCTGCCATGAAGCTGGTGAAGCCCTTCGA
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_021469

Insert Size:

6303 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_021469.3](#), [NP_067444.2](#)

RefSeq Size:

6663 bp

RefSeq ORF:

6303 bp

Locus ID:

26903

UniProt ID:

[Q9ESD7](#)

Cytogenetics:

6 36.14 cM

Gene Summary:

Key calcium ion sensor involved in the Ca(2+)-triggered synaptic vesicle-plasma membrane fusion. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress. [UniProtKB/Swiss-Prot Function]

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