

Product datasheet for **MR225180**

Dysf (NM_001077694) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dysf (NM_001077694) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dysf
Synonyms: 2310004N10Rik; AI604795; D6Pas3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR225180 representing NM_001077694
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCGAGTCTTCATCCTTTTTGCGGAGAATGTCCACACCCCGACTCCGACATCAGCGATGCCTACT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR225180 representing NM_001077694
 Red=Cloning site Green=Tags(s)

MLRVFILFAENVHTPDSDISDAYCSAVFAGVKKRTRKVIKNSVNPVWNEGFEDLKGIPLDQSSSELLVVVK
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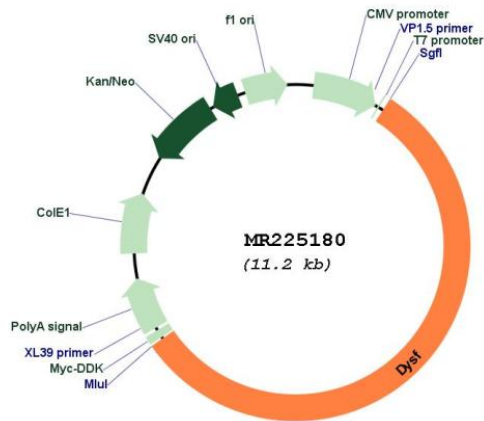
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001077694

ORF Size: 6297 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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:	<u>NM_001077694.2</u> , <u>NP_001071162.1</u>
RefSeq Size:	6836 bp
RefSeq ORF:	6300 bp
Locus ID:	26903
UniProt ID:	<u>Q9ESD7</u>
Cytogenetics:	6 36.14 cM
MW:	239.6 kDa
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]