

## Product datasheet for **RG226451**

### Dysferlin (DYSF) (NM\_001130978) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dysferlin (DYSF) (NM_001130978) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dysferlin
Synonyms:	FER1L1; LGMD2B; LGMDR2; MMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226451 representing NM_001130978 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226451 representing NM\_001130978  
 Red=Cloning site Green=Tags(s)

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 S

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



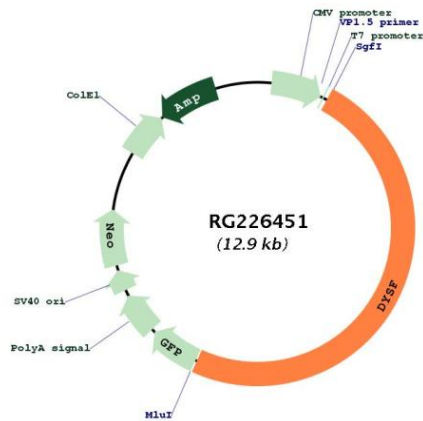
**Protein Families:**

Transmembrane

**Gene Summary:**

The protein encoded by this gene belongs to the ferlin family and is a skeletal muscle protein found associated with the sarcolemma. It is involved in muscle contraction and contains C2 domains that play a role in calcium-mediated membrane fusion events, suggesting that it may be involved in membrane regeneration and repair. In addition, the protein encoded by this gene binds caveolin-3, a skeletal muscle membrane protein which is important in the formation of caveolae. Specific mutations in this gene have been shown to cause autosomal recessive limb girdle muscular dystrophy type 2B (LGMD2B) as well as Miyoshi myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2008]

**Product images:**



Circular map for RG226451