

Product datasheet for SC309765

Myoferlin (MYOF) (NM_013451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myoferlin (MYOF) (NM_013451) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYOF
Synonyms:	FER1L3; HAE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309765 representing NM_013451. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** Sgfl-Mlul
- Plasmid Map:** □
- ACCN:** NM_013451
- Insert Size:** 6186 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_013451.3](#)
- RefSeq Size:** 6860 bp
- RefSeq ORF:** 6186 bp
- Locus ID:** 26509

UniProt ID: [Q9NZM1](#)

Cytogenetics: 10q23.33

Domains: C2, DysFN, DysFC

Protein Families: Transmembrane

MW: 234.7 kDa

Gene Summary: Mutations in dysferlin, a protein associated with the plasma membrane, can cause muscle weakness that affects both proximal and distal muscles. The protein encoded by this gene is a type II membrane protein that is structurally similar to dysferlin. It is a member of the ferlin family and associates with both plasma and nuclear membranes. The protein contains C2 domains that play a role in calcium-mediated membrane fusion events, suggesting that it may be involved in membrane regeneration and repair. Two transcript variants encoding different isoforms have been found for this gene. Other possible variants have been detected, but their full-length nature has not been determined. [provided by RefSeq, Dec 2008]
Transcript Variant: This variant (1) encodes the full-length isoform (a).