

Recombinant Human MYOF Over-expression cell lysate

Cat. No. MYOF-12HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYOF Over-expression cell lysate, transcript variant 1, was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	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.
Form	25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4
Molecular Mass	234.5 kDa
Usage	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10%

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Glycerol, 0.002% Bromphenol blue, 100mM DTT)

Storage

Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles.

Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name MYOF myoferlin [Homo sapiens]

Official Symbol MYOF

Synonyms FER1L3; fer-1-like 3, myoferlin; fer-1-like family member 3; fer-1-like protein 3

Gene ID 26509

mRNA Refseq NM_013451

Protein Refseq NP_038479

MIM 604603

UniProt ID Q9NZM1

Chromosome Location 10q23.33

Pathway Aryl Hydrocarbon Receptor Pathway, organism-specific biosystem; Hepatitis C and

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Hepatocellular Carcinoma, organism-specific biosystem

Function

phospholipid binding; phospholipid binding; protein binding

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