

Product Information

MemDX™ Membrane Protein Human MYOF (Myoferlin) Full Length

Cat. No.: **MPC4199K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MYOF membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MYOF

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MLRVIVESASNIPKTKFGKPDPIVSVIFKDEKKKTKKVDNELNPVWNEIL
EFDLRGIPLDFSSSLGIIVKDFETIGQNKLIGHTATVALKDLTGDQSRSLP
YKLISLLNEKGQDTGATIDLVIYDPPSAPHPNDLSGPSVPGMGDGEED
EGDEDRLDNAVRGPGPKGPVGTVSEAQLARRLTKVKNSRRMLSNKPQDFQ
IRVRVIEGRQLSGNNIRPVVKVHVCQGQTHRTRIKRGNNPFFDELFFYNVN
MTPSELMDEIISIRVYNHSLRADCLMGEFKIDVGFVYDEPGHAVMRKWL
LLNDPEDTSSGSKGYMKVSMFVLGTGDEPPPERRDRDNDSDDVESNLLLP
AGIALRWVTFLLKIYRAEDIPQMDDAFSQTVEIFGGNADKKNLVDPFVE
VSFAGKKVCTNIIKNNANPEWVNQVVNLQIKFPSVCEKIKLTIYDWDRLTK
NDVVGTTYLHLSKIAASGGEVEDFSSSGTGAASYTVNTGETEVGFVPTFG
PCYLNLYGSPREYTGFPDPYDELNTGKGEGVAYRGRILVELATFLEKTPP
DKKLEPISNDLLVVEKYQRRRKYSLSAVFHSATMLQDVGEAIQFEVSIG
NYGNKFDTTCKPLASTTQYSRAVFDGNYYYYLPWAHTKPVVTLTSYWEDI
SHRLDAVNTLLAMAERLQTNIEALKSGIQGKIPANQLAELWLKLIDIEVE
DTRYTLPLTEGANVTVDLTQIRKLRSRSLSQIHEAAVRMRSEATDVKST
LAEIEDWLDKLMQLTEEPQNSMPDIIWMIRGEKRLAYARIPAHQVLYST
SGENASGKYCGKTQTIFLKYPQEKNNGPVKPVELRVNIWLGLSAVEKKFN
SFAEGTFTVFAEMYENQALMFGKWGTSGLVGRHKFSDVTGKIKLKREFFL
PPKGWEWEGEWIVDPERSLLTEADAGHTEFTDEVYQNESRYPGGDWKPAE
DTYTDANGDKAASPELTCPPGWEDDAWSYDINRAVDEKGWEYGITIP
PDHKPKSWVAAEKMYHTRRRRLVRKRKDLTQTASSTARAMEELQDQEG
WEYASLIGWKFWKQRSSDTFRRRRWRRKMAPSETHGAAAFKLEGALGA
DTTEDGDEKSLEKQKHSATTVFANTPIVSCNFDRVYIYHLRCYVYQARN
LLALDKDSFSDPYAHICFLHRSKTTEIIHSTLNPTWDQTIIFDEVEIYGE

PQTVLQNPPKVIMELFDNDQVGKDEFLGRSIFSPVVKLNSEMDITPKLLW
HPVMNGDKACGDVLVTAELILRGKDGSNLPILPPQRAPNLYMVPQGIRPV
VQLTAIEILAWGLRNMKNFQMASITSPSLVVECGGERVESVVIKNLKKT
NFPSSVLFMKVFLPKEELYMPPLVIKVIDHRQFGRKPVVGQCTIERLDRF
RCDPYAGKEDIVPQLKASLLSAPPCRDIVIEDTKPLLASKLTEKEEEI
VDWWSKFYASSGEHEKCGQYIQKGYSKLIYNCELENVAEFEGLTDFSDT
FKLYRGKSDENEDPSVVGFEKGSFRIYPLDDPSVPAPPRQFRELPSVP
QECTVRIYIVRGLELQPQDNNGLCDPYIKITLGKKVIEDRDHYIPNTLNP
VFGRMYELSCYLPQEKDLKISVYDYDTFTTRDEKVGETIIDLENRFLSRFG
SHCGIPEEYCVSGVNTWRDQLRPTQLLQNVARFKGFPQPILSEDGSRIRY
GGRDYSLDEFEANKILHQHLGAPEERLALHILRTQGLVPEHVETRTLHST
FQPNISQGKLQMWVDVFPKSLGPPGPPFNITPRKAKKYLRVWIWNTKDV
ILDEKSITGEEMSDIYVKGWIPGNEENKQKTDVHYRSLDGEGNFWRFVF
PFDYLPAEQLCIVAKKEHFWSIDQTEFRIPPRLIQIWDNDKFSLDDYLG
FLELDLRHTIIPAKSPEKCRDLMIPDLKAMNPLKAKTASLFEQKSMKGWW
PCYAEKDGARVMAGKVEMTLEILNEKEADERPAGKGRDEPNMNPCLDLPN
RPETSFLWFTNPCKTMKFIVWRRFKWVIIGLLFLLILLFVAVLLYSLPN
YLSMKIVKPNV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MYOF

Full Name

Myoferlin

Introduction

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.

Alternative Names

MYOF; HAE7; FER1L3; fer-1-like 3, myoferlin; fer-1-like family member 3; fer-1-like protein 3; Myoferlin

Gene ID

[26509](#)

UniProt ID

[Q9NZM1](#)