

Product Information

MemDX™ Membrane Protein Human MUSK (Muscle associated receptor tyrosine kinase)

Full Length

Cat. No.: **MPC1008K**

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

This product is a 97 kDa Human MUSK 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

MUSK

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

97 kDa

TMD

1

Sequence

MRELVNIPLVHILTLVAFSGTEKLPKAPVITTPLETVDALVEEVATFMCA
VESYPQPEISWTRNKILIKLFDTRYISIRENGQLLTILSVEDSDDGIYCCT
ANNGVGGAVESCGALQVKMKPKITRPPINVKIIIEGLKAVLPCTTMGNPKP
SVSWIKGDSPLRENSRIAVLESGSLRIHNVQKEDAGQYRCVAKNSLGTAY
SKVVKLEVEVFARILRAPESHNVTFGSFVTLHCTATGIPVPTITWIENG
AVSSGSIQESVKDRVIDSRLQLFITKPGLYTCIATNKHGEKFSTAKAAAT
ISIAEWSKPQKDNKGYCAQYRGEVCNAVLAKDALVFLNTSYADPEEAQEL
LVHTAWNELKVVSPVCRPAEALLCNHIFQECSPGVVPTPIPICREYCLA
VKELFCAKEWLVMEEKTHRGLYRSEMHLLSVPECSKLPSMHWDPACARL
PHLDYNKENLKTFFPMTSSKPSVDIPNLPSSSSSFVSPTYSMTVIISI
MSSFAIFVLLTITTYCCRRRKQWKNKKRESAAVTLTTLPSLLLLDRLHP
NPMYQRMPLLLNPKLLSLEYPRNNIEYVRDIGEGAFGRVFQARAPGLLPY
EPFTMVAVKMLKEEASADMQADFQREAAALMAEFDNPNIVKLLGVCavgkP
MCLLFEYmayGDLNEFLRMSpHTVCSLSHSDLSMRAQVSSPGPPPLSCA
EQLCIARQVAAGMAYLSERKFVHRDLATRNCLVGENMVVKIADFGLSRNI
YSADYYKANENDAIPRWMPPEsIFYNRYTTESDVWAYGVVLWEIFSGL
QPYYGMAHEEVIYYVRDGNILSCPENCVELYNLMRLCWSKLPADRPSFT
SIHRILERMCERAEGTVSV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MUSK

Full Name

Muscle associated receptor tyrosine kinase

Introduction

This gene encodes a muscle-specific tyrosine kinase receptor. The encoded protein may play a role in clustering of the acetylcholine receptor in the postsynaptic neuromuscular junction. Mutations in this gene have been associated with congenital myasthenic syndrome. Alternatively spliced transcript variants have been described.

Alternative Names

MUSK; CMS9; FADS; FADS1; muscle, skeletal receptor tyrosine-protein kinase; muscle, skeletal, receptor tyrosine kinase; muscle-specific kinase receptor; muscle-specific tyrosine-protein kinase receptor; Muscle associated receptor tyrosine kinase

Gene ID

[4593](#)

UniProt ID

[O15146](#)