

Product Information

MemDX™ Membrane Protein Human ITGA5 (Integrin subunit alpha 5) Full Length

Cat. No.: **MPC3122K**

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

This product is a made-to-order Human ITGA5 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

ITGA5

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MGSRTPEsplHavQLRWGPRRRPPLLPLLLLLPPPPRVGGFNLD AEAPA
VLSGPPGSFFGFSVEFYRPGTDGVSVLVGAPKANTSQPGVLQGGAVYLCp
WGASPTQCTPIEFDSKGSRLLESLSSEGE EEPVEYKSLQWFGATVRAHG
SSILACAPLYSWRTEKEPLSDPVGTCYLSTDNFTRILEYAPCRSDFSWAA
GGGYCQGGFSAEFTKTGRVVLGGPGSYFWQQILSATQE QIAESYYPEYL
INLVQGGQLQTRQASSIYDDSYLGYSVAVGEFSGDDTEDFVAGVPKGNLTy
GYVTILNGSDIRSLYNFSGEQMASYFGYAVAATDVNGDGLDDLlVGAPLL
MDRTPDGRPQEVGRVYVYLQHPAGIEPTPTLTlTGhDEFGRFGSSLTPLG
DLdQdGYNDVAIGAPFGGETQQGVVFVFPGGPGGLGSKPSQVLQPLWAAS
HTPdffGSALRGGRDLdGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLT
IFPAMFNPEERSCSLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDW
QKQKGGVRRALFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDK
LSPIHIALNFSLDpQAPVDShGLRPALHYQKSRIEDKAQILLDCGEDNI
CVPDLQLEVFGEQNHVYLGDKNALNLTfHAQNVGEGGAYEAELRVtAPPE
AEYSGLVrHPGNFSSlSCDYFAVNQSRLlVCDLGnPMKAGASlWGGLRFT
VPHLRDTKKTIQFDfQILSKNLNNSQSDVVSfRlSVEAQAVTLNGVSKP
EAVLFPVSDWHPRDQPQKEEDLGPavHHVYELINQGPSSISQGVLElSCP
QALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGSllHHQKREAPSRs
SASSGPQILKcPEAEcFRLRCeLGPLHQQESQSLQLHFRVWAKTFLQREH
QPfSLQCEAVYKALKMPYRILPRQLPQKERQVATAVQWTKAEGSYGVPLW
IILAILFGLLLLGLLIYILYKLGFFKRSLPYGTAMEKAQLKPPATSDA

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

ITGA5

Full Name

Integrin subunit alpha 5

Introduction

The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.

Alternative Names

ITGA5; FNRA; CD49e; VLA-5; VLA5A; integrin alpha-5; CD49 antigen-like family member E; ITGA5/SLC9B1 fusion; fibronectin receptor subunit alpha; fibronectin receptor, alpha polypeptide; fibronectin receptor, alpha subunit; integrin alpha-F; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); very late activation protein 5, alpha subunit; Integrin subunit alpha 5

Gene ID

[3678](#)

UniProt ID

[P08648](#)