

Product Information

MemDX™ Membrane Protein Human ITGA4 (Integrin subunit alpha 4) Full Length

Cat. No.: **MPC1928K**

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

This product is a 114.9 kDa Human ITGA4 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

ITGA4

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

114.9 kDa

TMD

1

Sequence

MAWEARREPGPRRAAVRETVMLLLCLGVPTGRPYNVDTESALLYQGPHNT
LFGYSVVLHSHGANRWLLVGAPTANWLANASVINPGAIYRCRIGKNPGQT
CEQLQLGSPNGEPCGKTCLEERDNQWLGVTLRQPGENGSIIVTCGHRWKN
IFYIKNENKLPTGGCYGVPPDLRTELKRIAPCYQDYVKKFGENFASCQA
GISSFYTKDLIVMGAPGSSYWTGSLFVYNITTNKYKAFLDKQNQVKFGSY
LGYSVGAGHFERSQHTTEVVGAPQHEQIGKAYIFSIDEKELNILEMKGK
KLGSYFGASVCAVDLNADGFSDLLVGAPMQSTIREEGRVFVYINSGSGAV
MNAMETNLVGSCKYAAARFGESIVNLGDIDNDGFEDVAIGAPQEDDLQGA
YIYNGRADGISSTFSQRIEGLQISKSLSMFGQSISGQIDADNNGYVDVAV
GAFRSDSAVLLRTRPVVIVDASLSHPESVNRTKFDCVENGWPSVCIDLT
CFSYKGKEVPGYIVLFYNMSLDVNRKAESPFRFYSSNGTSDVITGSIQV
SSREANCRTHQAFMRKDVRLDILTPIQIEAAYHLGPHVISKRSTEEFPPLQ
PILQQKKEKDIMKKTINFARFCAHENCADLQVSAKIGFLKPHENKTYLA
VGSMKTLMLNVSLFNAGDDAYETTLHVKLPGVGLYFIKILELEEKQINCEV
TDNSGVVQLDCSIGYIYVDHLRIDISFLLDVSSLSRAEEDLSITVHATC
ENEEEMDNLKHSRVTVAIPLKYEVLKTVHGFVNPTSFVYGSNDENEPETC
MVEKMNLTFHVINTGNSMAPNVSVIEMVPNSFSPQTDKLFNILDVQTTTG
ECHFENYQRVCALEQQKSAMQTLKGIVRFLSKTDKRLLYCIKADPHCLNF
LCNFGKMESGKEASVHIQLEGRPSILEMDETSALKFEIRATGFPEPNPRV
IELNKDENVAHVLLLEGLHHQRPKRYFTIVISSSLLLGLIVLLISYVMW
KAGFFKRQYKSILQEENRRDSWSYINSKSNDD

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ITGA4

Full Name

Integrin subunit alpha 4

Introduction

The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants.

Alternative Names

ITGA4; IA4; CD49D; integrin alpha-4; 269C wild type; CD49 antigen-like family member D; VLA-4 subunit alpha; alpha 4 subunit of VLA-4 receptor; antigen CD49D, alpha-4 subunit of VLA-4 receptor; integrin alpha-IV; very late activation protein 4 receptor, alpha 4 subunit; Integrin subunit alpha 4

Gene ID

[3676](#)

UniProt ID

[P13612](#)