

Product Information

MemDX™ Membrane Protein Human ITGA6 (Integrin subunit alpha 6) for Antibody

Discovery

Cat. No.: **MP1191J**

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

This product is a 117.2 kDa Human ITGA6 membrane protein expressed in HEK293T. 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

ITGA6

Protein Length

Full-length

Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Molecular Weight

117.2 kDa

TMD

1

Sequence

MAAAGQLCLLYLSAGLLSRLGAAFNLDTRDNVIRKYGDPGSLFGFSLAMHWQLQPEDKRLLLVGAPRAE
ALPLQRANRTGGLYSCDITARGPCTRIEFDNDADPTSESKEDQWMGVTVQSQGPGKVVTCAHRYEKRQH
VNTKQESRDIFGRCYVLSQNLRIEDDMDGGDWSFCDGRLRGHEKFGSCQQGVAATFTKDFHYIVFGAPGT
YNWKGIVRVEQKNNTFFDMNIFEDGPYEVGGETEHDES LVPVPANSYLGFS LDSGKGIVSKDEITFVSGA
PRANHSGAVVLLKRD MKSAHLLPEHIFDGEGLASSFGYDVAVVDLNKDGWQDIVIGAPQYFDRDGEVGA
VYVYMNQQGRWNNVKPIRLNGTKDSMFGIAVKNIGDINQDGYPDIAVGAPYDDLKGKVFYHGSANGINTK
PTQVLKGISPYFGYSIAGNMDLDRNSYPDVAVGSLSDSVTIFRSRPVINIQKTITVTPNRIDL RQKTACG
APSGICLQVKSCFEYTANPAGYNPSISIVGTLEAEKERRKSGLSSRVQFRNQGSEPKYTQELTLKRQKQK
VCMEETLWLQDNIRDKLRPIPI TASVEIQEPSSRRRVNSLPEVLPILNSDEPKTAHIDVHFLKEGCGDDN
VCNSNLKLEYKFC TREGNQDKFSYLP IQKGVPELV LKDKQDIALEITVTNSPSNPRNPTKDGD DAHEAKL
IATFPDTLTYSAYRELRAFPEKQLSCVANQNGSQADCELG NPFKRNSNVTFYLV LSTTEVTFDTPDLIN
LKLETTSNQDN LAPITAKAKVVI ELLLSVSGVAKPSQVYFGGTVVGEQAMKSEDEVGSLIEYEF RVINLG
KPLTNLGTATLNIQWPKEISNGK WLLYL VKVESKGLEKVTCEPQKEINSLNLTESHSRKKREITEKQID
DNRKFSLFAERKYQTLNCSVNVNVCNIRCLPRLG LDSKASLILRSRLWNSTFLEEYSKLN YLDILMRAFID
VTAAENIRLPNAGTQVRVTVFP SKTVAQYSGVPWWIILVAILAGILMLALLVFILWKCGFFKR NKDHY
DATYHKAEIHAQPSDKERLTSDA

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ITGA6

Full Name

Integrin subunit alpha 6

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 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants.

Alternative Names

CD49f; ITGA6B; VLA-6

Gene ID

[3655](#)

UniProt ID

[P23229](#)