

Product Information

MemDX™ Membrane Protein Human ITGAV (Integrin subunit alpha V) Full Length

Cat. No.: **MPC1105K**

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

This product is a 116 kDa Human ITGAV membrane protein expressed in Baculovirus/Insect expression system. 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

ITGAV

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

116 kDa

TMD

1

Sequence

MAFPPRRRLRLGPRGLPLLLSGLLLPLCRAFNLDVDSPA EYSGPEGSYFG
FAVDFFVPSASSRMFLLVGAPKANTTQPGIVEGGQVLKCDWSSTRRCQPI
EFDATGNRDYAKDDPLEFKSHQWFGASVRSKQDKILACAPLYHWRTEMKQ
EREPVGTCTFLQDGTCTVEYAPCRSQDIDADGQGFCQGGFSIDFTKADRVL
LGGPGSFYWQQQLISDQVAEIVSKYDPNVYSIKYNNQLATRTAQAIFFDS
YLGYSVAVGDFNGDGIDDFVSGVPRAARTLGMVYIDGKNMSSLYNFTGE
QMAAYFGFSVAATDINGDDYADVFIGAPLFMDRGSDGKLQEVGQVSVSLQ
RASGDFQTTKLNGFEVFAFSGSAIAPLGDLDDQDGFNDIAIAAPYGGEDKK
GIVYIFNGRSTGLNAVPSQILEGQWAARSMPPSFGYSMKGATDIDKNGYP
DLIVGAFGVDRAILYRARPVITVNAGLEVYPSILNQDNKTCSLPGTALKV
SCFNVRFLCKADGKGVLPRLNFKVELLLDKLKQKGAIRRALFLYSRSPS
HSKNMTISRGGMLMQCEELIAYLRDESEFRDKLTPITIFMEYRLDYRTAAD
TTGLQPILNQFTPANISRQAHILLDCGEDNVCKPKLEVSVSDQKKIYIG
DDNPLTLIVKAQNQGEGAYEALIVSIPLQADFIGVVRNNEALARLSCAF
KTENQTRQVVCDLGNPMKAGTQLLAGLRFSVHQQSEMDTSVKFDLQIQSS
NLFDKVSPVSHKVDLAVLAAVEIRGVSSPDHVFLPIPNWEHKENPETEE
DVGPVVQHIYELRNNGPSSFSKAMLHLQWPYKYNNNTLLYILHYDIDGPM
NCTSDMEINPLRIKISSLTTEKNDTVAGQGERDHLITKRDLALSEGDIH
TLGCGVAQCLKIVCQVGRLDRGKSAILYVKSLLWTETFMNKENQNHYSYL
KSSASFNVIEFPYKNLPIEDITNSTLVTTNVTWGIQPAPMPVPVWVILA
VLAGLLLLAVLVFVVMYRMGFFKRVRPQEEQEREQLQPHENGEGNSET

Product Description

Expression Systems

Baculovirus/Insect expression system

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

ITGAV

Full Name

Integrin subunit alpha V

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 V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.

Alternative Names

ITGAV; CD51; MSK8; VNRA; VTNR; integrin alpha-V; antigen identified by monoclonal antibody L230; integrin alphaVbeta3; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); vitronectin receptor subunit alpha; CD_antigen: CD51; Integrin subunit alpha V

Gene ID

[3685](#)

UniProt ID

[P06756](#)