

Product Information

MemDX™ Membrane Protein Human ITGA1 (Integrin subunit alpha 1) Full Length

Cat. No.: **MPC1970K**

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

This product is a 130.8 kDa Human ITGA1 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

ITGA1

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

130.8 kDa

TMD

1

Sequence

MAPRPRARPGVAVACCWLLTVVLRCCVSFNVVDVKNSMTFSGPVEDMFGYT
VQQYENEEGKWVLIGSPLVGQPKNRTGDVYKCPVGRGESLPCVKLDLPVN
TSIPNVTEVKENMTFGSTLVTNPNGGFLACGPLYAYRCGHLHYTTGICSD
VSPTFQVVNSIAPVQECSTQLDIVIVLDGSNSIYPWDSVTAFLNDLLERM
DIGPKQTQVGIVQYGENVTHEFNLNKYSSTEEVLVAAKKIVQRGGRQTMT
ALGIDTARKEAFTEARGARRGVKKVMVIVTDGESHDNHRLLKKVIQDCED
NIQRFSAIILGSYNRGNLSTEFVVEIKSIASEPTEKHFFNVSDELALVT
IVKTLGERIFALEATADQSAASFEMEMSQTGFSAHYSQDWVMLGAVGAYD
WNGTVVMQKASQIIIPRNTTFNVESTKKNEPLASYLGTVNSATASSGDV
LYIAGQPRYNHTGQVYIYRMEDGNIKILQTLSGEQIGSYFGSILTTTID
KDSNTDILLVGAPMYMGTEKEEQGKVYVYALNQTRFEYQMSLEPIKQTCC
SSRQHNSCTTENKNEPCGARFGTAIAAVKDLNLDGFNDIVIGAPLEDDHG
GAVYIYHSGSKTIRKEYAQRIPSGDGKTLKFFGQSIHGEMDLNGDGLTD
VTIGGLGGAALFWSRDVAVVKVTMNFEPNKVNIQKKNCHMEGKETVCINA
TVCFDVKLKSKEDTIYEADLQYRVTLDSLRLQISRSFFSGTQERKVQRNIT
VRKSECTKHSFYMLDKHDFQDSVRITLDFNLTDPENGPVLDDSLPNSVHE
YIPFAKDCGNKEKCISDLSLHVATTEKDLLIVRSQNDKFNVS LTVKNTKD
SAYNTRTIVHYSPNLVFSGIEAIQKDSCESNHNITCKVGYPFLLRRGEMVT
FKILFQFNTSYLMENVTIYLSATSDSEEPPELSDNVVNISIPVKYEVGL
QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFMPPEL
KLSISFPNMTSNGYPVLYPTGLSSSENANCRPHIFEDPFSINSGKKMTTS

TDHLKRGITLDCNTCKFATITCNLTSSDISQVNVSLILWKPTFIKSYFSS
LNLTIKRGELRSENASLVSSSNQKRELAIQISKDGLPGRVPLWVILLSAF
AGLLLLMLLILALWKIGFFKRPLKKKMEK

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

ITGA1

Full Name

Integrin subunit alpha 1

Introduction

This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.

Alternative Names

ITGA1; VLA1; CD49a; integrin alpha-1; CD49 antigen-like family member A; VLA-1; laminin and collagen receptor; very late activation protein 1; Integrin subunit alpha 1

Gene ID

[3672](#)

UniProt ID

[P56199](#)