

Product Information

MemDX™ Membrane Protein Human ITGAL (Integrin subunit alpha L) Full Length

Cat. No.: **MPC3441K**

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

This product is a made-to-order Human ITGAL 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

ITGAL

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MKDSCITVMAMALLSGFFFFAPASSYNLDVRGARSFSPPRAGRHFYGRVL
QVGNQVIVGAPGEGNSTGSLYQCQSGTGHCLPVTLRGSNYTSKYLGMTLA
TDPTDGSILACDPGLSRTCDQNTYLSGLCYLFRQNLQGPMLQGRPGFQEC
IKGNVDLVFLFDGMSMLQPDFQKILDFMKDVMKKLSNTSYQFAAVQFST
SYKTEFDSDYVVRKDPDALLKHVKHMLLLTNTFGAINYVATEVFREEELG
ARPDATKVLIIITDGEATDSGNIDAAKDIIRYIIGIGKHFQTKESQETLH
KFASKPASEFVKILDTFEKLKDLFTLQKKIYVIEGTSKQDLTSFNMELS
SSGISADLSRGHAVVGAVGAKDWAGGFLDLKADLQDDTFIGNEPLTPEVR
AGYLGYYTVTWLPSRQKTSLLASGAPRYQHMGRVLLFQEPQGGGHWSQVQT
IHGTQIGSYFGGELCGVDVDQDGETELLIGAPLFYGEQRGGRVFIYQRR
QLGFEEVSELQGDPGYPLGRFGEAITALTDINGDGLVDVAVGAPLEEQGA
VYIFNGRHGGLSPQPSQRIEGTQVLSGIQWFGRSIHGVKDLEGDGLADVA
VGAESQMIVLSSRPVDMVTLMSFSPAEIPVHEVECSYSTSNKMKEGVNI
TICFQIKSLIPQFQGRVLNLTYYTLQLDGHRTRRRGLFPGGRHELRRNIA
VTTSMSCDTFSFHPVCVQDLISPINVSLNFSLWEEEGTPRDQRAQGKDI
PPILRPSLHSETWEIPFEKNCGEDKKCEANLRVSFSPARSRALRLTAFAS
LSVELSLSNLEEDAYWVQLDLHFPGLSFRKVEMLKPHSQIPVSCEELPE
ESRLLSRALSCNVSSPIFKAGHSVALQMMFNTLVNSSWGDSELHANVTC
NNEDSDLLLEDNSATTIIPILYINILIQDQEDSTLYVSFTPKGPKIHQVK
HMYQVRIQPSIHDNIPTLEAVVGVPQPPSEGPITHQWSVQMEPPVPCHY
EDLERLPDAAEPCLPGALFRCPVVFRQEILVQVIGTLELVGEIEASSMFS
LCSSLSISFNSSKHFHLYGSNASLAQVVMKVDVVYEKQMLYLYVLSGIGG
LLLLLLIFIVLYKVGFFKRNLEKMEAGRGVPNGIPAEDSEQLASGQEAG
DPGCKPLHEKDSSESGGGKD

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

ITGAL

Full Name

Integrin subunit alpha L

Introduction

ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

ITGAL; CD11A; LFA-1; LFA1A; integrin alpha-L; CD11 antigen-like family member A; LFA-1 alpha; LFA-1A; antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide
integrin gene promoter; integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide); leukocyte adhesion glycoprotein LFA-1 alpha chain; leukocyte function-associated molecule 1 alpha chain; lymphocyte function-associated antigen 1, alpha polypeptide; Integrin subunit alpha L

Gene ID

[3683](#)

UniProt ID

[P20701](#)