

Product Information

MemDX™ Membrane Protein Human ITGB1 (Integrin subunit beta 1)

Cat. No.: **MP0086J**

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

This product is a 86.1 kDa Human ITGB1 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

ITGB1

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

86.1 kDa

TMD

1

Sequence

MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQEGMPTSARCDDLEAL
KKKGCPPDDIENPRGSKDIKKKNVTNRSKGTAEKLPEDITQIQPQQLVLRLRSGEPQTFTLKFKRAED
YPIDLYYLMDSL SYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSE
QNCTSPFSYKNVLSLTNKGEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDA
GFHFAGDGKLG GIVLPNDGQCHLENNMYTMSHYYDYPSIAHLVQKLENNIQTIFAVTEEFQPVYKELKN
LIPKSAVGTL SANSSNVIQLIIDAYNSLSSEVILENGK LSEGVTISYKSYCKNGVNGTGENGRKCSNISI
GDEVQFEISITSNKCPKKDSDSFKIRPLGFTEEVEVILQYICECECQSEGIPESPKCHEGNGTFECGACR
CNEGRVGRHCECSTDEVNSEMDAYCRKENSSEICSNNGECVCGQCVCVKRDNTNEIYSGKFCECDNFNC
DRSNGLICGGNGVCKCRVCECNPNYTGSACDCSLDTSTCEASNGQICNGRGICECGVCKCTDPKFQGGTC
EMCQTCLGVCAEHKECVQCRAFNGEKKDTCTQECSYFNITKVESRDKLPQVPQDPVSHCKEKDVDDCW
FYFTYSVNGNNEVMHVVENPECP TGPDIPIVAGVVAGIVLIGLALLLIWKLLMIHDRREFAKFEKEK
MNAKWDTGENPIYKSAVTTVVNPKYEGK

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**

ITGB1

Full Name

Integrin subunit beta 1

Introduction

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

Alternative Names

CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA; very late activation protein, beta polypeptide; integrin beta 1; integrin VLA-4 beta subunit; glycoprotein lia

Gene ID

[3688](#)

UniProt ID

[P05556](#)