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Product Information

MemDX™ Membrane Protein Human ITGB1 (Integrin subunit beta 1) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX4042K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human ITGB1 membrane protein expressed *in vitro E.coli* 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
ITGB1

Protein Length
Full Length of Mature Protein

Protein Class
Receptor

TMD
1

Sequence
QTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQEGMPTSARCDDLEALKKKGCPPDDIENPRGSKDIKKNKNVTNRSKGTAEK

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

ITGB1; CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA; integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; integrin beta 1; integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12); very late activation protein, beta polypeptide; Integrin subunit beta 1

Gene ID

3688

UniProt ID

P05556