

Recombinant Human ITGB1 Protein, His-tagged

Cat. No. ITGB1-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human integrin subunit beta 1(ITGB1) protein, transcript variant 1A(NM_002211), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
ProteinLength	1-798 aa
Description	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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.183, without any preservatives.
Molecular Mass	86.1 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION
Gene Name

ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) [Homo sapiens]

Official Symbol

ITGB1

Synonyms

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

Gene ID

3688

mRNA Refseq

NM_002211

Protein Refseq

NP_002202

MIM

135630

UniProt ID

P05556

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