

Recombinant Mouse Itgb1 protein, His-tagged

Cat. No. Itgb1-15M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itgb1(Val128~Asn399) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val454~Ile714
Description	Itgb1 played an important role in many functions.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	32.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[Itgb1 integrin beta 1 \(fibronectin receptor beta\) \[Mus musculus \]](#)

Official Symbol

[Itgb1](#)

Synonyms

ITGB1; integrin beta 1 (fibronectin receptor beta); integrin beta-1; VLA-4 subunit beta; fibronectin receptor subunit beta; CD29; Fnrb; gpIIa; Gm9863; AA409975; AA960159; 4633401G24Rik; ENSMUSG000000051907;

Gene ID

[16412](#)

mRNA Refseq

[NM_010578](#)

Protein Refseq

[NP_034708](#)

UniProt ID

[P09055](#)

Chromosome Location

8; 8 E2

Pathway

Adaptive Immune System, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance,

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organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem;

Function

actin binding; alpha-actinin binding; binding; collagen binding; fibronectin binding; glycoprotein binding; integrin binding; integrin binding; kinase binding; laminin binding; peptide binding; protease binding; protein binding; protein complex binding; protein domain specific binding; protein heterodimerization activity; protein kinase binding; receptor activity; receptor binding;

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