

Recombinant Human ITGB2 Protein, His-tagged

Cat. No. ITGB2-1067H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGB2 Protein (Gln23-Val367) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln23-Val367
Description	This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.0 kDa; Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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 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.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

ITGB2 integrin subunit beta 2 [Homo sapiens (human)]

Official Symbol

ITGB2

Synonyms

ITGB2; integrin subunit beta 2; LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1; integrin beta-2; cell surface adhesion glycoprotein (LFA-1/CR3/P150,959 beta subunit precursor); complement component 3 receptor 3 and 4 subunit; complement receptor C3 beta-subunit; integrin beta chain, beta 2; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; truncated integrin beta-2

Gene ID

3689

mRNA Refseq

NM_000211

Protein Refseq

NP_000202

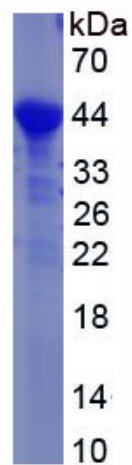
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MIM 600065

UniProt ID P05107



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